SERVICE MANUAL

PARTS LIST

MODEL AC-3400L/S
AC-3750L/S

AKAI

ALSO APPLICABLE TO BLACK PANEL MODEL

AC-3400L/S
AC-3750L/S

AC-3400L

AC-3750L

HIFI STEREO COMPACT
and
HIFI STEREO MUSIC CENTER

AC-3400L/S
MODEL AC-3750L/S

ALSO APPLICABLE TO BLACK PANEL MODEL

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SECTION 1

SERVICE MANUAL

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL TECHNICAL MANUAL.

I. TECHNICAL DATA

RECEIVER SECTION

§AMPLIFIER

RATED POWER OUTPUT (AC-3400L/S) (2-Channel Driven)	30 watts per channel, minimum RMS, at 4 ohms from 40 to 20,000 Hz with no more than 0.3% T.H.D. 28 watts per channel, minimum RMS, at 8 ohms from 40 to 20,000 Hz with no more than 0.3% T.H.D. 2 x 32 watts into 4 ohms at 1 kHz, with no more than 0.3% T.H.D. 2 x 30 watts into 8 ohms at 1 kHz, with no more than 0.3% T.H.D.
RATED POWER OUTPUT (AC-3750L/S) (2-Channel Driven)	28 watts per channel, minimum RMS, at 4 ohms from 40 to 20,000 Hz with no more than 0.3% T.H.D. 25 watts per channel, minimum RMS, at 8 ohms from 40 to 20,000 Hz with no more than 0.3% T.H.D. 2 x 30 watts into 4 ohms at 1 kHz, with no more than 0.3% T.H.D. 2 x 30 watts into 8 ohms at 1 kHz, with no more than 0.3% T.H.D.
MUSIC POWER (DIN)	82 watts
POWER BANDWIDTH (IHF)	10 to 50,000 Hz/8 ohms (T.H.D. 0.3%)
SIGNAL TO NOISE RATIO (IHF)	Tape Monitor: Better than 95 dB PHONO: Better than 75 dB (AC-3400L/S only)
CHANNEL SEPARATION (IHF)	Tape Monitor: Better than 60 dB PHONO: Better than 50 dB at 1 kHz (AC-3400L/S only)
DAMPING FACTOR	More than 30 (1 kHz, 8 ohms)
OUTPUT	Speakers: A, B (4 to 16 ohms)/A+B (8 to 16 ohms)
INPUT SENSITIVITY/IMPEDANCE	Tape Monitor: PIN; 150 mV/100 kohms, DIN; 150 mV/100 kohms PHONO: 3 mV/47 kohms (AC-3400L/S only)
OUTPUT LEVEL/IMPEDANCE	Tape Rec: PIN; 150 mV/1 kohms, DIN; 30 mV/80 kohms
FREQUENCY RESPONSE	PHONO (RIAA): 30 to 15,000 Hz ±1 dB Tape Monitor: 15 to 40,000 Hz +0 dB, –3 dB
TONE CONTROL	BASS: ±10 dB at 100 Hz TREBLE: ±10 dB at 10 kHz

§TUNER

(FM)

FREQUENCY RANGE	88 MHz to 108 MHz
SENSITIVITY (IHF)	1.9 μV
CAPTURE RATIO	1.5 dB
SELECTIVITY (IHF)	More than 70 dB
IMAGE REJECTION	More than 50 dB
IF REJECTION	More than 70 dB
SPURIOUS REJECTION	More than 70 dB
AM SUPPRESSION	50 dB
SIGNAL TO NOISE RATIO	70 dB
HARMONIC DISTORTION	MONO: Less than 0.25% (100% modulation) STEREO: Less than 0.5% (100% modulation)
MUTING	Switchable to ON-OFF
STEREO SEPARATION	More than 40 dB at 1 kHz
ANTENNA INPUT IMPEDANCE	300 ohms balanced, 75 ohms unbalanced

(MW)

FREQUENCY RANGE	520 kHz to 1,605 kHz
SENSITIVITY (IHF)	250 μV/m (Int. antenna), 20 μV (Ext. antenna)

(LW) ..... AC 3750L, AC-3400L only

FREQUENCY RANGE	150 kHz to 350 kHz
SENSITIVITY (IHF)	300 μV/m (Int. antenna), 20 μV (Ext. antenna)

(SW) ..... AC-3750L, AC-3400L only

FREQUENCY RANGE	3.8 MHz to 12.0 MHz
SENSITIVITY	300 μV/m (Int. antenna), 20 μV (Ext. antenna)

(SW1) ..... AC-3750S, AC-3400S only

FREQUENCY RANGE	3.8 MHz to 9.8 MHz
SENSITIVITY	20 μV (Ext. antenna)

(SW2) ..... AC-3750S, AC-3400S only

FREQUENCY RANGE	11.7 MHz to 22.0 MHz
SENSITIVITY	35 μV (Ext. antenna)

CASSETTE RECORDER SECTION

TRACK SYSTEM	4 track, 2 channel stereo system
WOW & FLUTTER	0.08% WRMS, 0.2% (DIN 45500)
FREQUENCY RESPONSE	35 to 13,000 Hz ±3 dB using LH tape 35 to 14,000 Hz ±3 dB using CrO_2 (SA) tape
DISTORTION	Less than 1% using LH tape (1 kHz 0 VU)
SIGNAL TO NOISE RATIO	Better than 51 dB using LH tape Better than 52 dB using CrO_2 (SA) tape (measured via tape with peak recording level) Dolby N.R. switch ON: improves up to 10 dB above 5 kHz
ERASE RATIO	Better than 70 dB
BIAS FREQUENCY	67 kHz
HEADS	(2): One Recording/Playback head, One Erase head
MOTOR	(1): Electronically speed controlled DC motor
INPUT SENSITIVITY/IMPEDANCE	Microphone: (2) 0.25 mV/5 kohms Required Microphone Impedance: 600 ohms

TURNTABLE SECTION (AC-3750L/S only)

DRIVE SYSTEM	Auto-return, Belt driven
MOTOR	4-pole synchronous motor
SPEED	33-1/3 rpm and 45 rpm
WOW & FLUTTER	0.1% (WRMS)
RUMBLE	60 dB (DIN B)
PLATTER	ϕ300 mm
TONE ARM	Static Balanced type with inside force canceller
CARTRIDGE	MM type, Output; 3 mV/50 kohms
FREQUENCY RESPONSE	20 to 20,000 Hz
OVERHANG	9.4 mm
OPTIMAL STYLUS PRESSURE	3.0 grams

MISCELLANEOUS

SEMI-CONDUCTORS	Transistors: 48, Diodes: 31, ICs: 8, FET: 1
POWER REQUIREMENTS	120V, 60 Hz for Canada 220V, 50 Hz for Europe except UK 240V, 50 Hz for UK and Australia 110/120/220/240V, 50/60 Hz for other countries
DIMENSIONS (AC-3400L/S)	707(W) x 148(H) x 489(D) mm 27.8(W) x 5.8(H) x 19.3(D) inches
(AC-3750L/S)	707(W) x 203(H) x 489(D) mm 27.8(W) x 8.0(H) x 19.3(D) inches
WEIGHT (AC-3400L/S)	13.0 kg, 28.5 lbs
(AC-3750L/S)	18 kg, 39.6 lbs

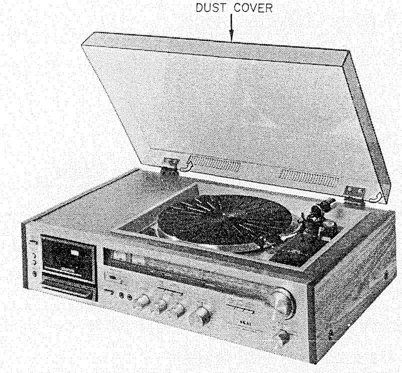
NOTE: * For improvement purpose, specifications and design are subject to change without notice.

* "DOLBY" and the Double D symbol are trademarks of Dolby Laboratories. (Manufactured under License from Dolby Laboratories.)

II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.

1



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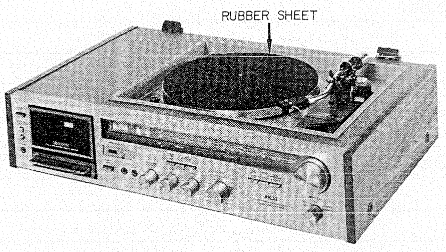
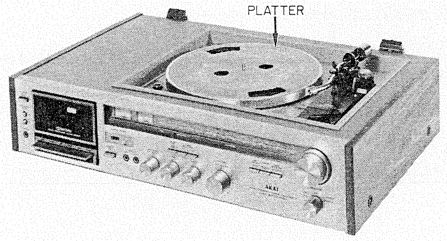

RUBBER SHEET

3



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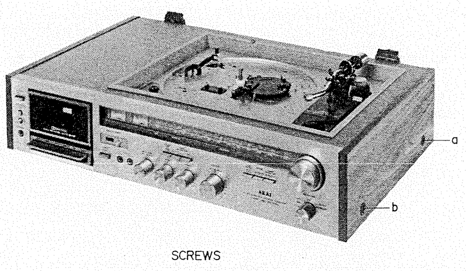

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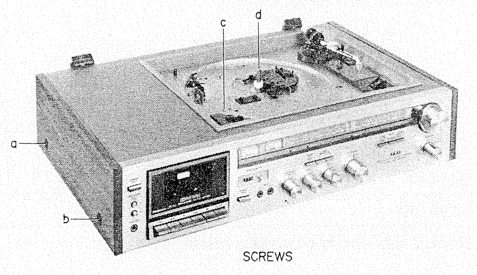
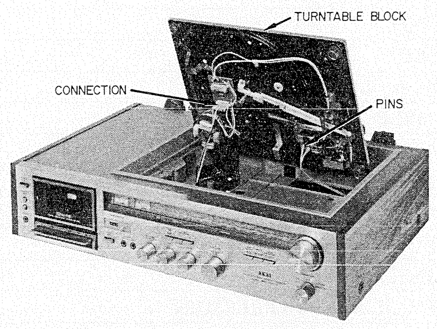
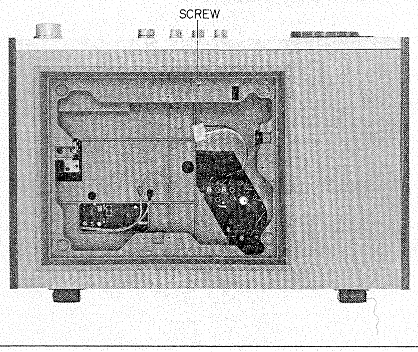

c
d
a
b
SCREWS

6


TURNTABLE BLOCK
CONNECTION
PINS

7



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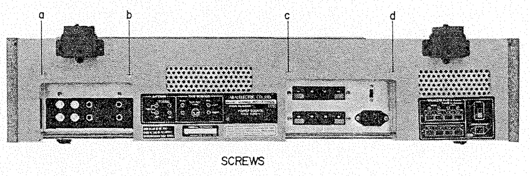
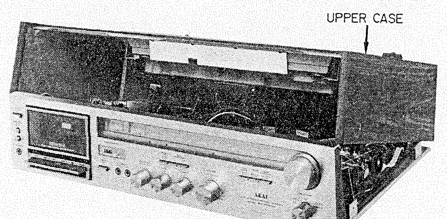
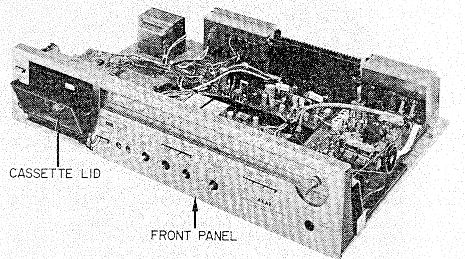

a
b
c
d
SCREWS

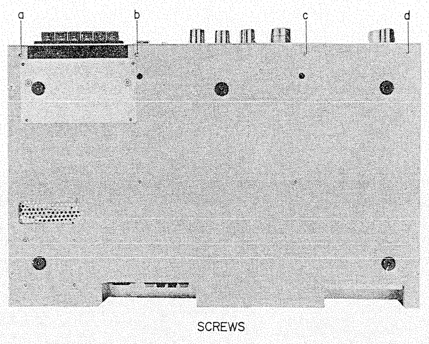
9



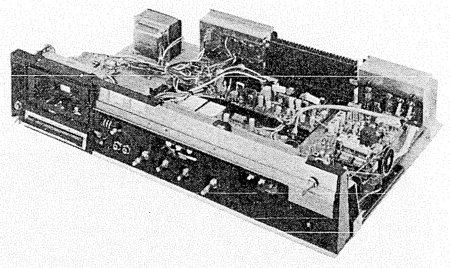
12


CASSETTE LID
FRONT PANEL

10


a
b
c
d
SCREWS

13



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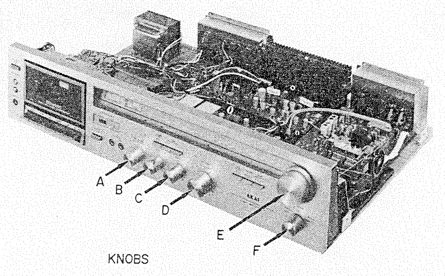
A
B
C
D
E
F
KNOBS

NOTE: Photos are AC-3750L

III. CONTROLS

1. MODEL AC-3400L/S

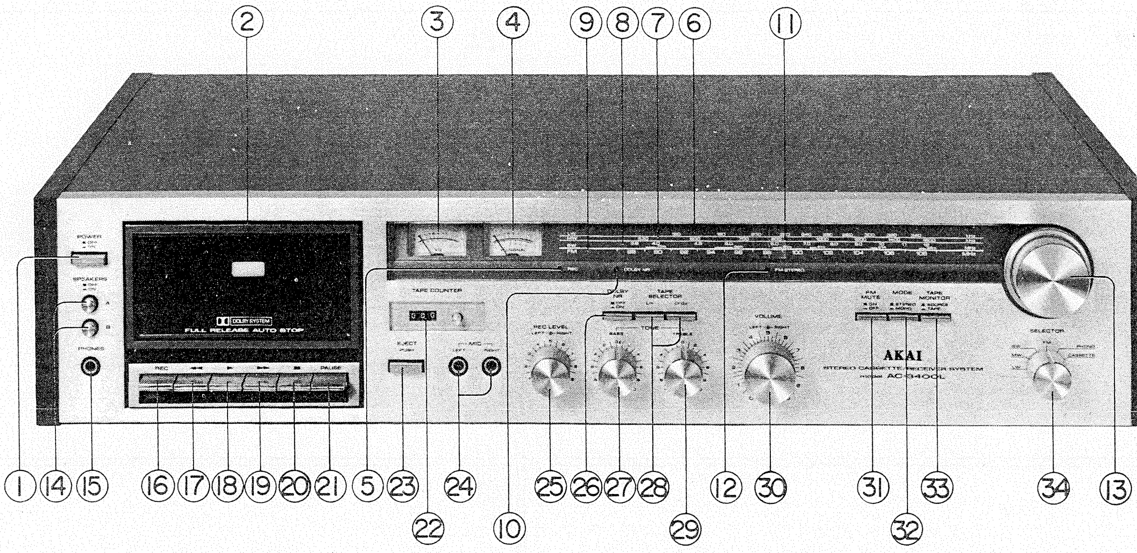
②
③
④
⑨
⑧
⑦
⑥
⑪
POWER
SPEAKERS
PHONES
DOLBY SYSTEM
FULL RELEASE AUTO STOP
REC
PAUSE
TAPE COUNTER
EJECT
MIC
REC LEVEL
DOLBY NR
TAPE SELECTOR
TONE
BASS
TREBLE
VOLUME
FM MUTE
MODE
TAPE MONITOR
AKAI
STEREO CASSETTE RECEIVER SYSTEM
AC-3400L
SELECTOR
①
⑭
⑮
⑯
⑰
⑱
⑲
⑳
㉑
⑤
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Fig. 3-1

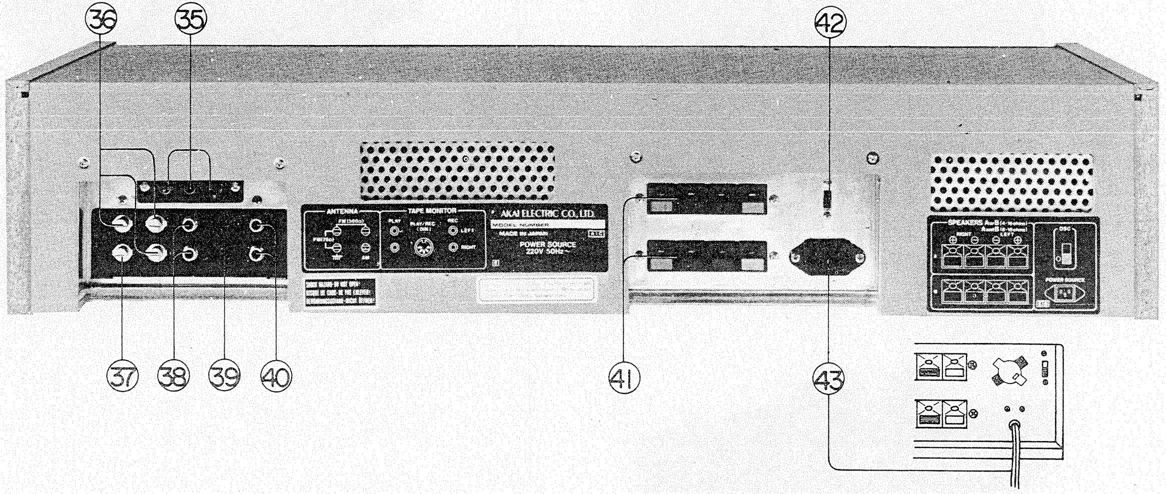

㊱
㉟
㊷
ANTENNA
TAPE MONITOR
AKAI ELECTRIC CO., LTD.
MODEL NUMBER
MADE IN JAPAN
POWER SOURCE 220V 50Hz~
SPEAKERS
POWER SOURCE
㊲
㊳
㊴
㊵
㊶
㊸

Fig. 3-2

1. Power Switch
2. Cassette Receptacle (with tape view window)
3. Left VU Meter
4. Right VU Meter/Signal Strength Meter
5. Recording Indicator Lamp
6. LW Dial Scale (AC-3400S: MW Dial Scale)
7. MW Dial Scale (AC-3400S: SW_1 Dial Scale)
8. SW Dial Scale (AC-3400S: SW_1 Dial Scale)
9. FM Dial Scale (AC-3400S: FM Dial Scale)
10. Dolby NR Indicator Lamp
11. Dial Indicator
12. FM Stereo Indicator Lamp
13. Tuning Knob
14. Speaker System Switches
15. Stereo Headphone Jack
16. Recording Key
17. Rewind Key
18. Play Key
19. Fast Forward Key
20. Stop Key
21. Pause Key
22. Index Counter and Reset Button
23. Eject Button
24. Microphone Jacks (left and right)
25. Recording Level Controls (left and right)
26. Dolby NR switch
27. Bass Tone Control
28. Tape Selector Switches
29. Treble Tone Control
30. Volume Controls (left and right)
31. FM Mute Switch
32. Mode Switch
33. Tape Monitor Switch
34. Source Selector
35. Phono Jacks and Phono Ground Terminal
36. Antenna Terminals
37. Ground Terminal
38. Tape Play Jacks
39. Tape System DIN Jack
40. Tape REC Jacks
41. A and B Speaker System Terminals
42. Beat Cut-off Switch (OSC)
43. AC Inlet
    (AC Cord for some countries)

2. MODEL AC-3750L/S

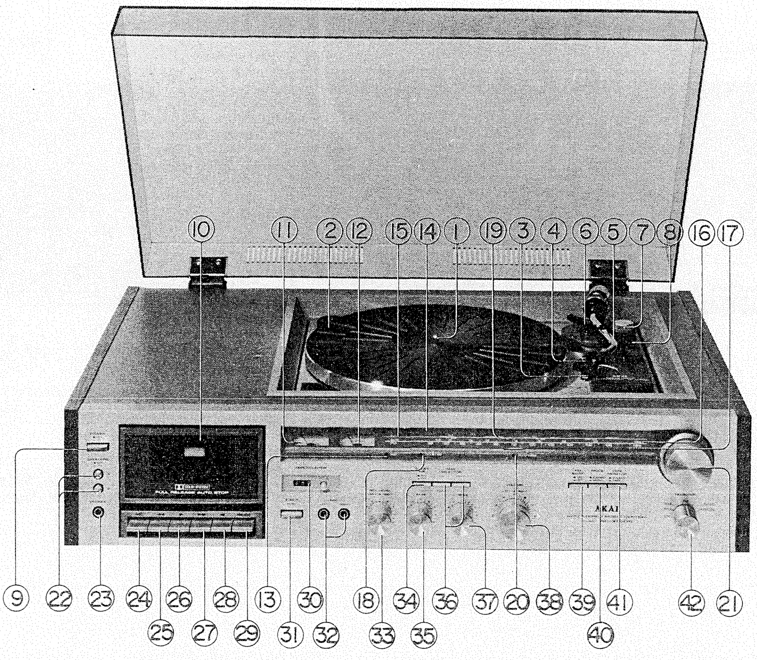


Fig. 3-3

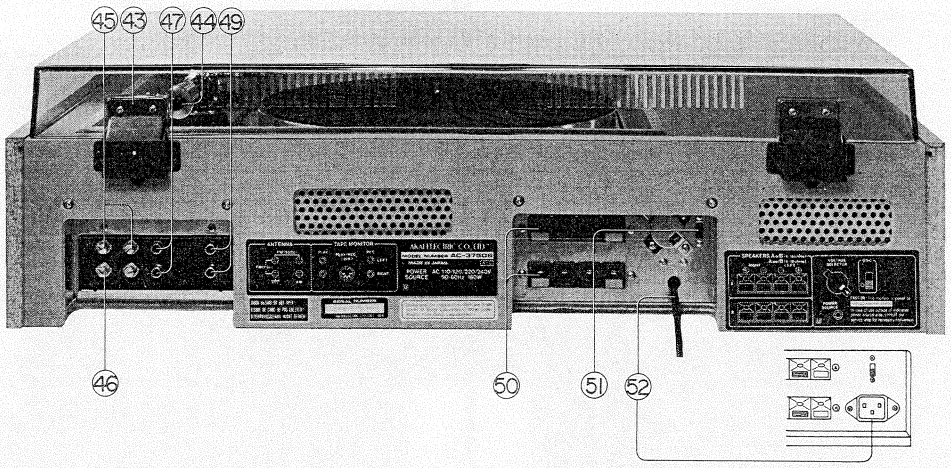
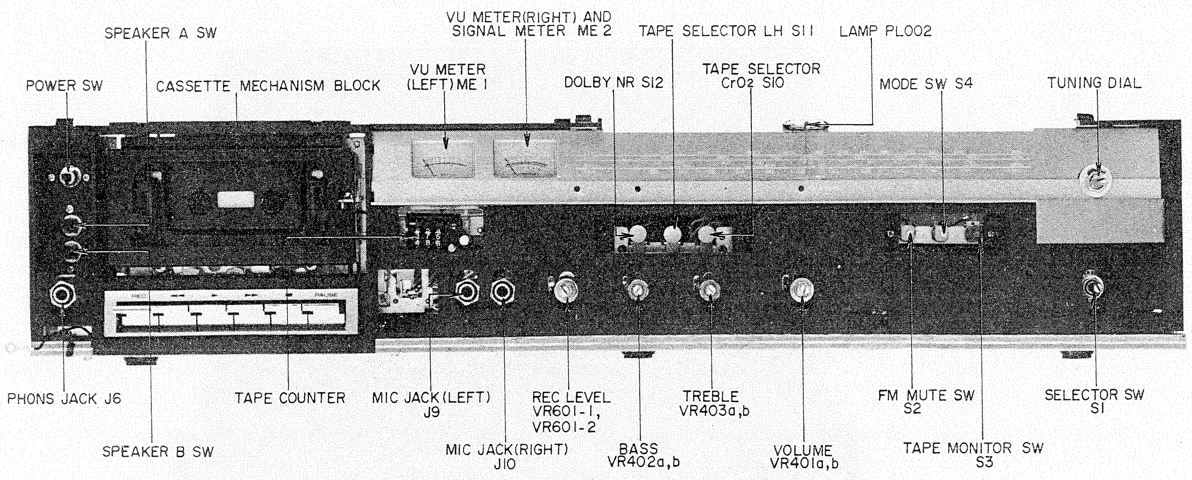


Fig. 3-4

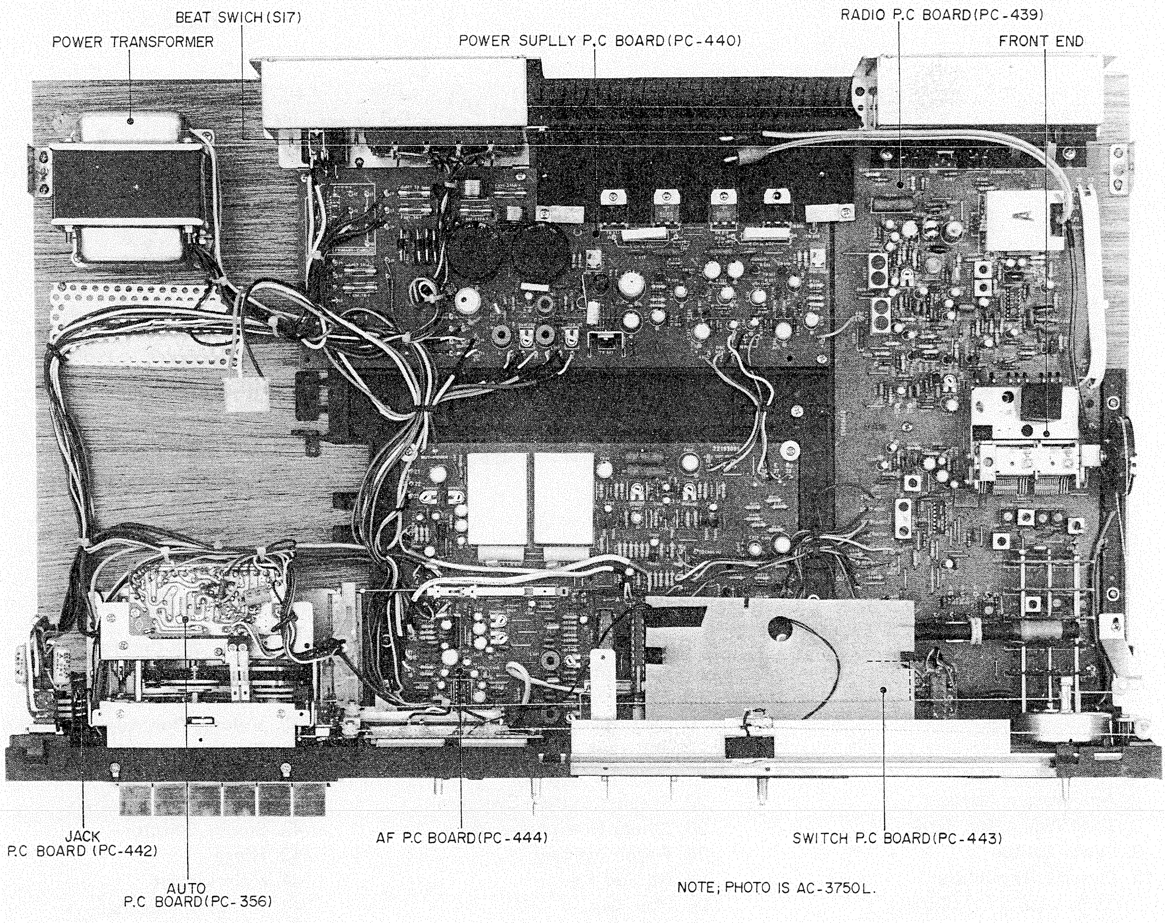
1. Spindle
2. Turntable
3. Cartridge
4. Cartridge Shell
5. Tone Arm
6. Tone Arm Lifter
7. Anti-skating Adjuster
8. Tone Arm Lifter Lever
9. Power Switch
10. Cassette Receptacle
    (with tape view window)
11. Left VU Meter
12. Right VU Meter/Signal Strength Meter
13. Recording Indicator Lamp
14. MW Dial Scale
    (AC-3750L: LW Dial Scale)
15. SW_1 Dial Scale
    (AC-3750L: LW Dial Scale)
16. SW_2 Dial Scale
    (AC-3750L: SW Dial Scale)
17. FM Dial Scale
    (AC-3750L: FM Dial Scale)
18. Dolby NR Indicator Lamp
19. Dial Indicator
20. FM Stereo Indicator Lamp
21. Tuning Knob
22. Speaker System Switches
23. Stereo Headphone Jack
24. Recording Key
25. Rewind Key
26. Play Key
27. Fast Forward Key
28. Stop Key
29. Pause Key
30. Index Counter and Reset Button
31. Eject Button
32. Microphone Jacks (left and right)
33. Recording Level Controls
    (left and right)
34. Dolby NR Switch
35. Bass Tone Control
36. Tape Selector Switches
37. Treble Tone Control
38. Volume Controls (left and right)
39. FM Mute Switch
40. Mode Switch
41. Tape Monitor Switch
42. Source Selector
43. Hinge
44. Main Weight
45. Antenna Terminals
46. Ground Terminal
47. Tape Play Jacks
48. Tape System DIN Jack
49. Tape REC Jacks
50. A and B Speaker System Terminals
51. Beat Cut-off Switch (OSC)
52. AC Inlet (AC Cord for some countries)

IV. PRINCIPAL PARTS LOCATION


SPEAKER A SW
VU METER(RIGHT) AND SIGNAL METER ME 2
TAPE SELECTOR LH S11
LAMP PL002
POWER SW
CASSETTE MECHANISM BLOCK
VU METER (LEFT) ME 1
DOLBY NR S12
TAPE SELECTOR CrO2 S10
MODE SW S4
TUNING DIAL
PHONS JACK J6
TAPE COUNTER
MIC JACK (LEFT) J9
REC LEVEL VR601-1, VR601-2
TREBLE VR403a,b
FM MUTE SW S2
SELECTOR SW S1
SPEAKER B SW
MIC JACK(RIGHT) J10
BASS VR402a,b
VOLUME VR401a,b
TAPE MONITOR SW S3

NOTE; AC-3750L ; FM, MW, LW, SW
AC-3750S ; FM, MW, SW1, SW2

Fig. 4-1 Front View


BEAT SWICH (S17)
POWER TRANSFORMER
POWER SUPLLY P.C BOARD (PC-440)
RADIO P.C BOARD (PC-439)
FRONT END
JACK P.C BOARD (PC-442)
AF P.C BOARD (PC-444)
SWITCH P.C BOARD (PC-443)
AUTO P.C BOARD (PC-356)

NOTE; PHOTO IS AC-3750L.

Fig. 4-2 Top View (With Turn Table Section removed)

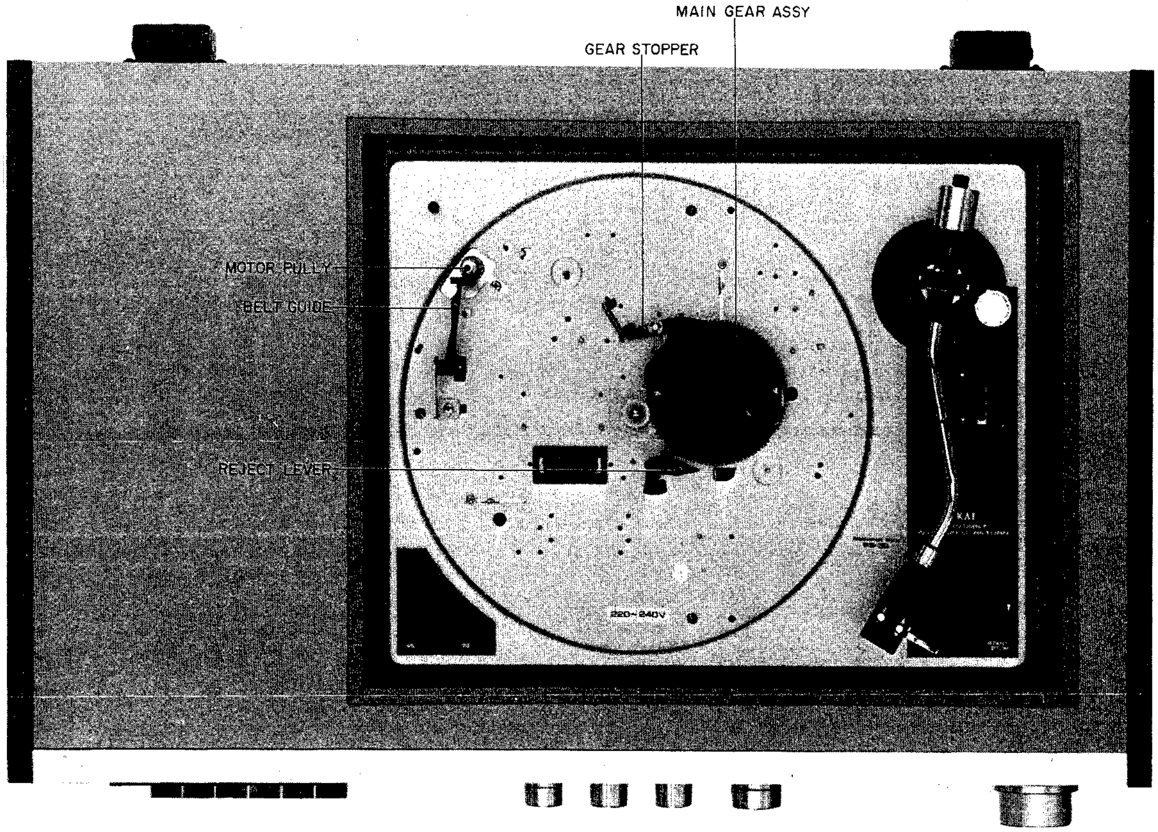

MAIN GEAR ASSY
GEAR STOPPER
MOTOR PULLY
BELT GUIDE
REJECT LEVER
220~240V

Fig. 4-3 Top View (AC-3750L/S only)

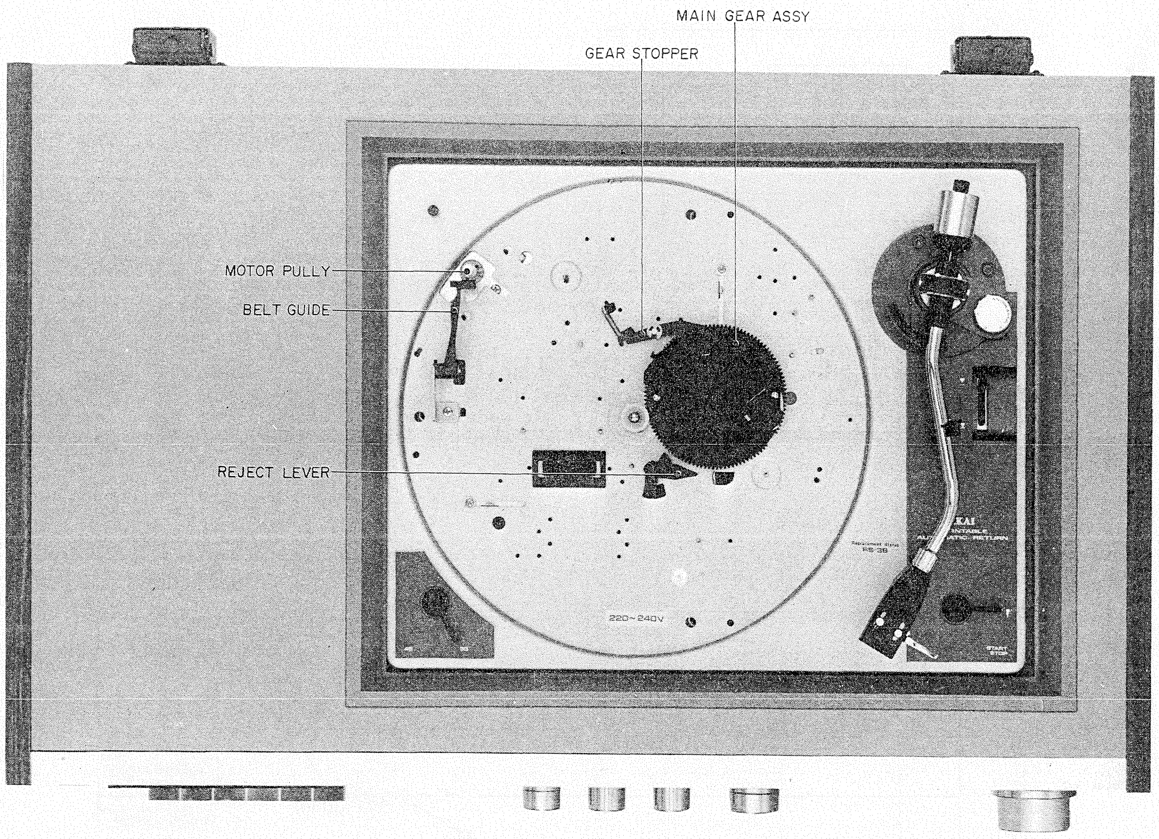

MAIN GEAR ASSY
GEAR STOPPER
MOTOR PULLY
BELT GUIDE
REJECT LEVER
220~240V

Fig. 4-3 Top View (AC-3750L/S only)

V. LEVEL DIAGRAM

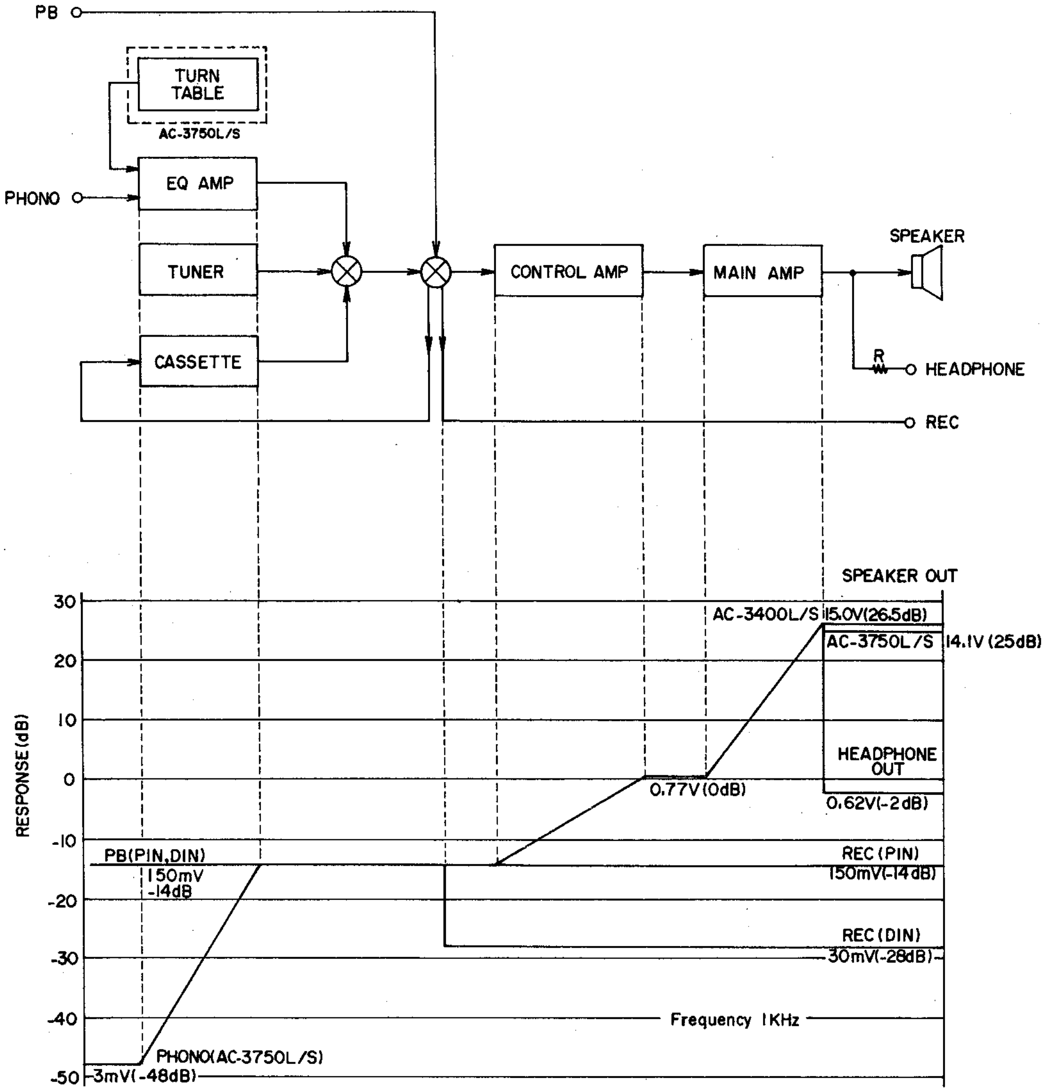
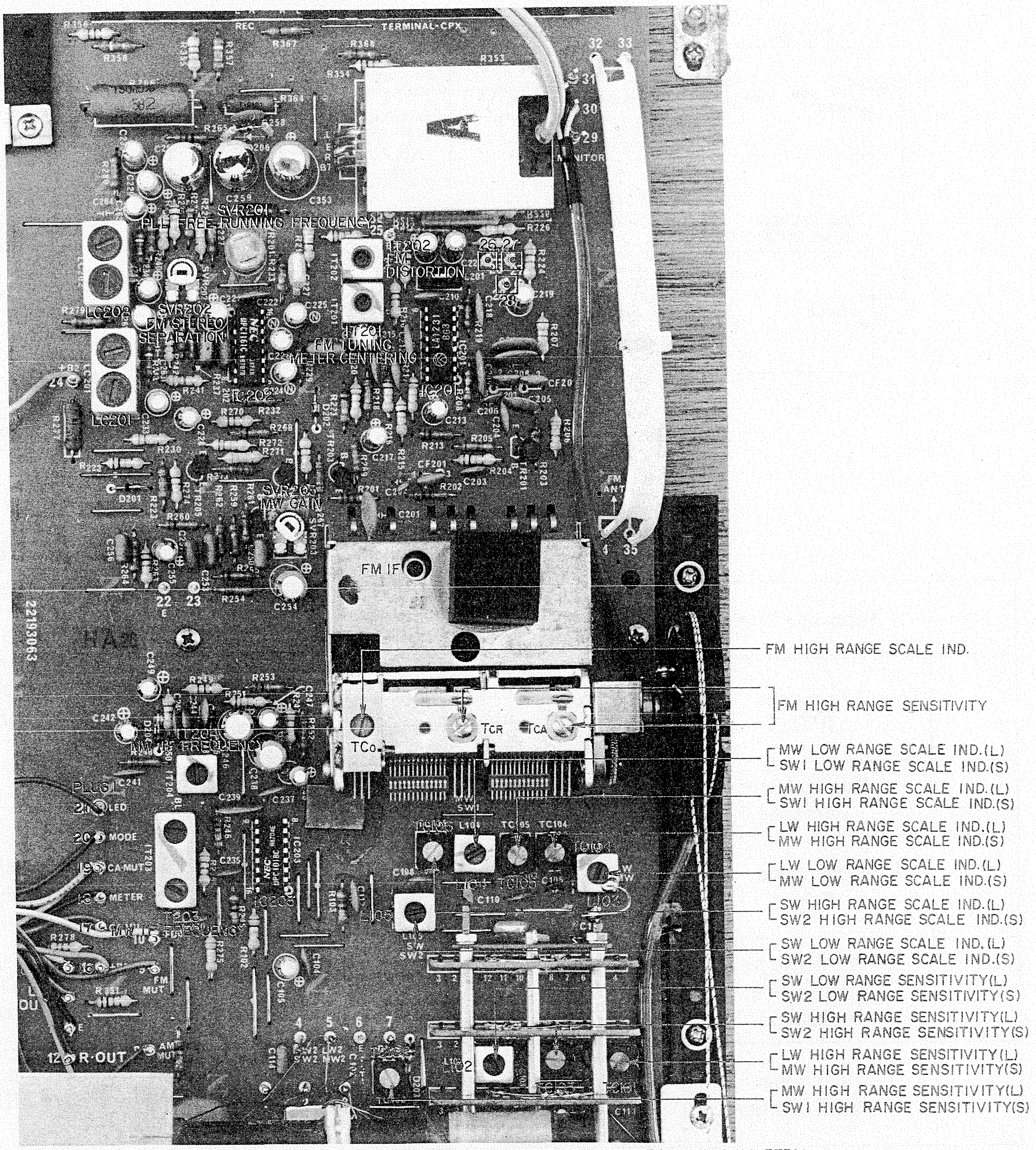

PB
TURN TABLE
AC-3750L/S
PHONO
EQ AMP
TUNER
CASSETTE
CONTROL AMP
MAIN AMP
SPEAKER
R
HEADPHONE
REC
SPEAKER OUT
30
20
10
0
-10
-20
-30
-40
-50
RESPONSE (dB)
AC-3400L/S
15.0V(26.5dB)
AC-3750L/S
14.1V (25dB)
HEADPHONE OUT
0.77V (0dB)
0.62V(-2dB)
PB(PIN,DIN)
150mV
-14dB
REC (PIN)
150mV(-14dB)
REC (DIN)
30mV(-28dB)
Frequency 1KHz
PHONO(AC-3750L/S)
3mV(-48dB)

Fig. 5-1

IV. ADJUSTMENT

1. TUNER SECTION ADJUSTMENT


SVR201 PLL FREE RUNNING FREQUENCY
T202 FM DISTORTION
SVR202 FM STEREO SEPARATION
T201 FM TUNING METER CENTERING
LC202
LC201
IC202
IC201
SVR203 MW GAIN
FM IF
TCo
TCR
TCA
T204 FREQUENCY
T203 MW-IF FREQUENCY
FM HIGH RANGE SCALE IND.
FM HIGH RANGE SENSITIVITY
MW LOW RANGE SCALE IND.(L)
SW1 LOW RANGE SCALE IND.(S)
MW HIGH RANGE SCALE IND.(L)
SW1 HIGH RANGE SCALE IND.(S)
LW HIGH RANGE SCALE IND.(L)
MW HIGH RANGE SCALE IND.(S)
LW LOW RANGE SCALE IND.(L)
MW LOW RANGE SCALE IND.(S)
SW HIGH RANGE SCALE IND.(L)
SW2 HIGH RANGE SCALE IND.(S)
SW LOW RANGE SCALE IND.(L)
SW2 LOW RANGE SCALE IND.(S)
SW LOW RANGE SENSITIVITY(L)
SW2 LOW RANGE SENSITIVITY(S)
SW HIGH RANGE SENSITIVITY(L)
SW2 HIGH RANGE SENSITIVITY(S)
LW HIGH RANGE SENSITIVITY(L)
MW HIGH RANGE SENSITIVITY(S)
MW HIGH RANGE SENSITIVITY(L)
SW1 HIGH RANGE SENSITIVITY(S)

NOTE; (L) IS AC-3400L AND AC-3750L.
(S) IS AC-3400S AND AC-3750S.

Fig. 6-1 RADIO P.C Board

1) FM SECTION ADJUSTMENT

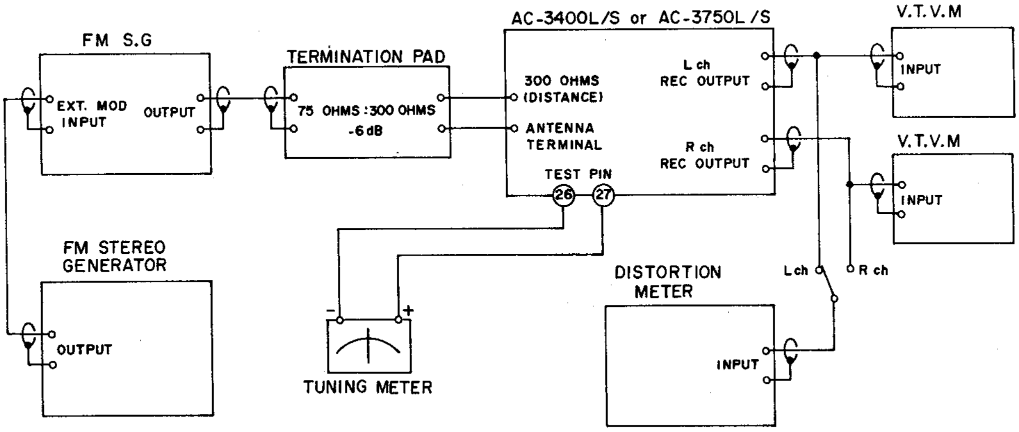

FM S.G
EXT. MOD INPUT
OUTPUT
TERMINATION PAD
75 OHMS :300 OHMS
-6 dB
AC-3400L/S or AC-3750L/S
300 OHMS (DISTANCE)
ANTENNA TERMINAL
TEST PIN
26
27
L ch REC OUTPUT
R ch REC OUTPUT
V.T.V.M
INPUT
V.T.V.M
INPUT
FM STEREO GENERATOR
OUTPUT
TUNING METER
-
+
DISTORTION METER
INPUT
Lch
R ch

Fig. 6-2 Instrument Connection

(Refer to Fig. 6-1 and Fig. 6-2)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Front end IF Coil	IF Coil (Front end)	Maximum noise Level	SELECTOR to "FM". MODE to "MONO". Set dial to where there is no broadcast signal.
2	Tuning Meter Centering	IT201	Centered Tuning meter indication	Same as above. Note 1.
3	Distortion Factor	IT202, IF Coil (Front end)	Less than 0.25%	98 MHz, 60 dB (mono) input. Less than 0.25% on both channels. Note 2.
4	Confirmation of Tuning Meter Indication		Centered Tuning meter indication	If Tuning Meter indication is not centered re-adjust Step 1 and 2.
5	High Range Scale Indication	TCO	Maximum Output	108 MHz, 60 dB (mono) input. Tuning Indicator to 108 MHz. Error: within ±250 kHz
6	Confirmation of Low Range Scale Indication		Maximum Output	88 MHz, 60 dB (mono) input. Tuning indicator to 108 MHz. Error: within ±250 kHz.
7	High Range Sensitivity	TCR, TCA (Front end)	Less than 3% Distortion factor	108 MHz, 14 dB (mono) input. Note 3.
8	Confirmation of Mid Range Sensitivity		Same as above	98 MHz, 14 dB (mono) input. Note 3.
9	Confirmation of Low Range Sensitivity		Same as above	88 MHz, 14 dB (mono) input. Note 3.

Step	Adjustment Item	Adjustment Point	Result	Remarks
10	PLL Free Running Frequency	SVR201	19.00 kHz ±0.03 kHz	SELECTOR to "FM". FM MUTE to "ON". Connect the Frequency Counter to Pin 21 for LED and take off plug 1 for FM stereo ind.
11	Confirmation of stereo indicator Lighting			98 MHz, 60 dB (stereo) input. Unlit stereo indicator indicates no stereo separation.
12	Stereo Separation (Left → Right)	SVR202	More than 40 dB	98 MHz, 60 dB (stereo), L-ch input Minimum output of R-ch.
13	Stereo Separation (Right → Left)	SVR202	More than 40 dB	98 MHz, 60 dB (stereo), R-ch input Minimum output of L-ch.

NOTES:

1. AC-3750L/S and AC-3400L/S are not equipped with a tuning meter. Please connect an appropriate tuning meter from another model to the test pins ㉖ and ㉗ on the Radio P.C Board.
2. When the distortion factor is not less than 0.1% in Step 3 adjust by turning the Front End IF Coil core but not more than 1/2 turn.
3. In the event that distortion factors in Steps 8 and 9 are not less than 3%, readjust Front End Trimmer Condensers TCR and TCA to obtain a minimum average distortion factor at 88, 98 and 108 MHz (same distortion factor at all three points).

2) AM SECTION ADJUSTMENT

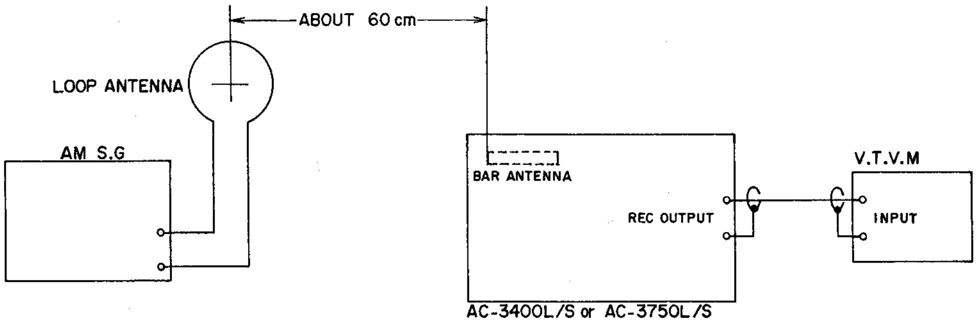


Fig. 6-3 Instruments Connection

a) MW ADJUSTMENT

(Refer to Fig. 6-1 and Fig. 6-3)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	IF Frequency	IT203 IT204	Maximum Output	455 kHz (AM Signal Generator) Tuning dial to fully counter-clockwise.
2	Low Range Scale Indication	L103	Same as above	510 kHz (AM Signal Generator) Tuning indicator to 510 kHz.
3	High Range Scale Indication	TC104	Same as above	1650 kHz (AM Signal Generator) Tuning indicator to 1650 kHz.
4				Repeat steps 2 and 3 until no further improvement is noticed.
5	Low Range Sensitivity	L101 (LW) Bar Antenna	Maximum Output	600 kHz (AM Signal Generator) Tuning indicator to 600 kHz.
6	High Range Sensitivity	TC101	Same as above	1400 kHz (AM Signal Generator) Tuning indicator to 1400 kHz.
7				Repeat steps 5 and 6 until no further improvement is noticed.
8	MW Gain	SVR203	150 mV	1000 kHz, 5 mV/m (AM Signal Generator). Tuning indicator to 1000 kHz.

b) LW ADJUSTMENT (AC-3400L, AC-3750L)

(Refer to Fig. 6-1 and Fig. 6-4)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Low Range Scale Indication	L103	Maximum Output	145 kHz (AM Signal Generator). Tuning indicator to 145 kHz.
2	High Range Scale Indication	TC104	Same as above	355 kHz (AM Signal Generator). Tuning indicator to 355 kHz.
3				Repeat steps 1 and 2 until no further improvement is noticed.
4	Low Range Sensitivity	L101 (LW) (Bar Ant)	Maximum Output	170 kHz (AM Signal Generator). Tuning indicator to 170 kHz.
5	High Range Sensitivity	TC101	Same as above	320 kHz (AM Signal Generator). Tuning indicator to 320 kHz.
6				Repeat steps 1 and 2 until no further improvement is noticed.

c) SW ADJUSTMENT (AC-3400L, AC-3750L)

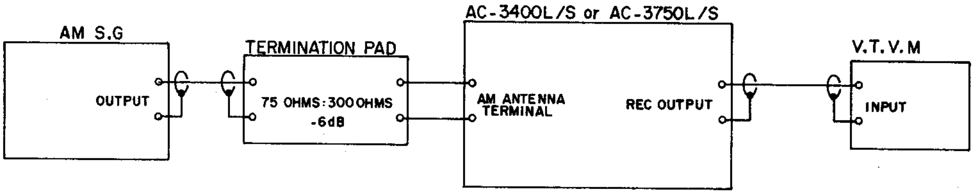


Fig. 6-4

(Refer to Fig. 6-1 and Fig. 6-4)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Low Range Scale Indication	L105	Maximum Output	3.7 MHz (AM Signal Generator). Tuning indicator to 3.7 MHz.
2	High Range Scale Indication	TC106	Same as above	12.5 MHz (AM Signal Generator). Tuning indicator to 12.5 MHz.
3				Repeat steps 2 and 3 until no further improvement is noticed.
4	Low Range Sensitivity	L102	Maximum Output	4.5 MHz (AM Signal Generator). Tuning indicator to 4.5 MHz.
5	High Range Sensitivity	TC103	Same as above	11 MHz (AM Signal Generator). Tuning indicator to 11 MHz.
6				Repeat steps 4 and 5 until no further improvement is noticed.

d) SW1 ADJUSTMENT (AC-3400S, AC-3750S)

(Refer to Fig. 6-1 and Fig. 6-4)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Low Range Scale Indication	L104	Maximum Output	3.7 MHz (AM Signal Generator). Tuning indicator to 3.7 MHz.
2	High Range Scale Indication	TC105	Same as above	10 MHz (AM Signal Generator). Tuning indicator to 10 MHz.
3				Repeat steps 1 and 2 until no further improvement is noticed.
4	Low Range Sensitivity	L101 (SW1) (Bar Ant)	Maximum Output	4.5 MHz (AM Signal Generator). Tuning indicator to 4.5 MHz.
5	High Range Sensitivity	TC102	Same as above	9 MHz (AM Signal Generator). Tuning indicator to 9 MHz
6				Repeat steps 4 and 5 until no further improvement is noticed.

e) SW2 ADJUSTMENT (AC-3400S, AC-3750S)

(Refer to Fig. 6-1 and Fig. 6-4)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Low Range Scale Indication	L105	Maximum Output	11 MHz (AM Signal Generator) Tuning indicator to 11 MHz.
2	High Range Scale Indication	TC106	Same as above	23 MHz (AM Signal Generator). Tuning indicator to 23 MHz.
3				Repeat steps 1 and 2 until no further improvement is noticed.
4	Low Range Sensitivity	L102	Maximum Output	13 MHz (AM Signal Generator). Tuning indicator to 13 MHz.
5	High Range Sensitivity	TC103	Same as above	21 MHz (AM Signal Generator). Tuning indicator to 21 MHz.
6				Repeat steps 1 and 2 until no further improvement is noticed.

3) TUNING CORD THREADING

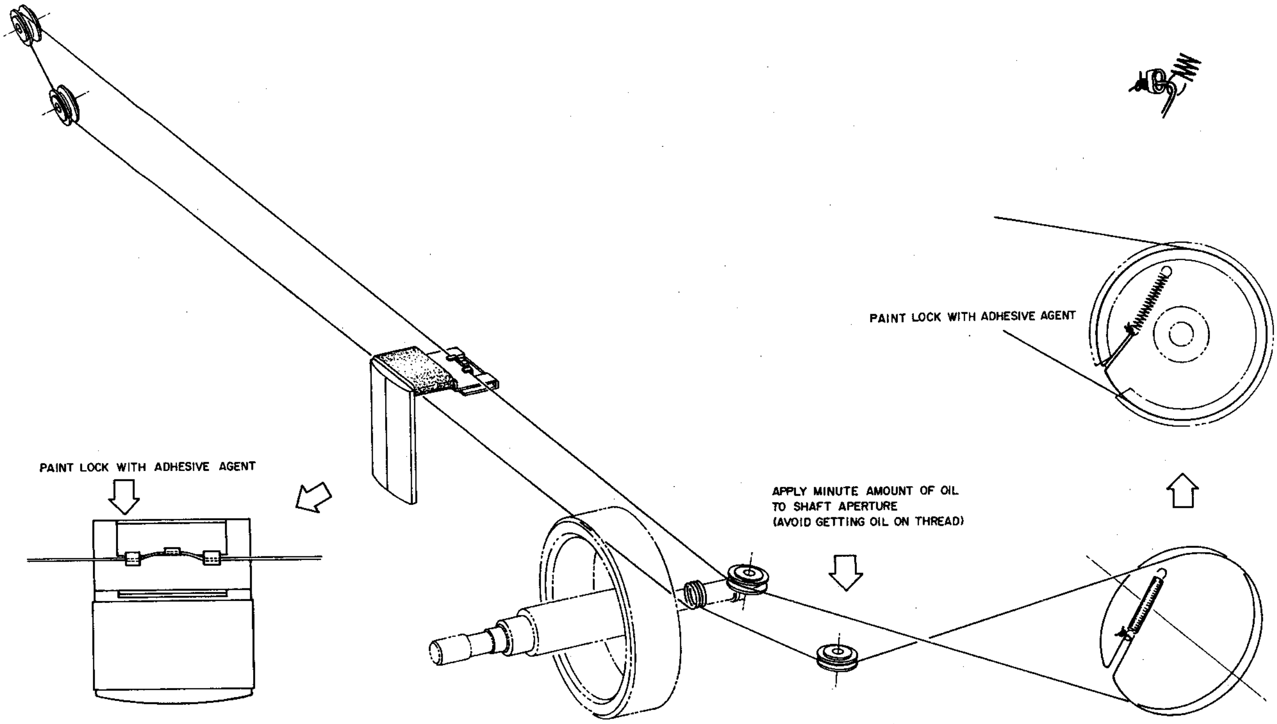

PAINT LOCK WITH ADHESIVE AGENT
PAINT LOCK WITH ADHESIVE AGENT
APPLY MINUTE AMOUNT OF OIL
TO SHAFT APERTURE
(AVOID GETTING OIL ON THREAD)

Fig. 6-5

2. MAIN AMP SECTION ADJUSTMENT

1) IDLING CURRENT ADJUSTMENT

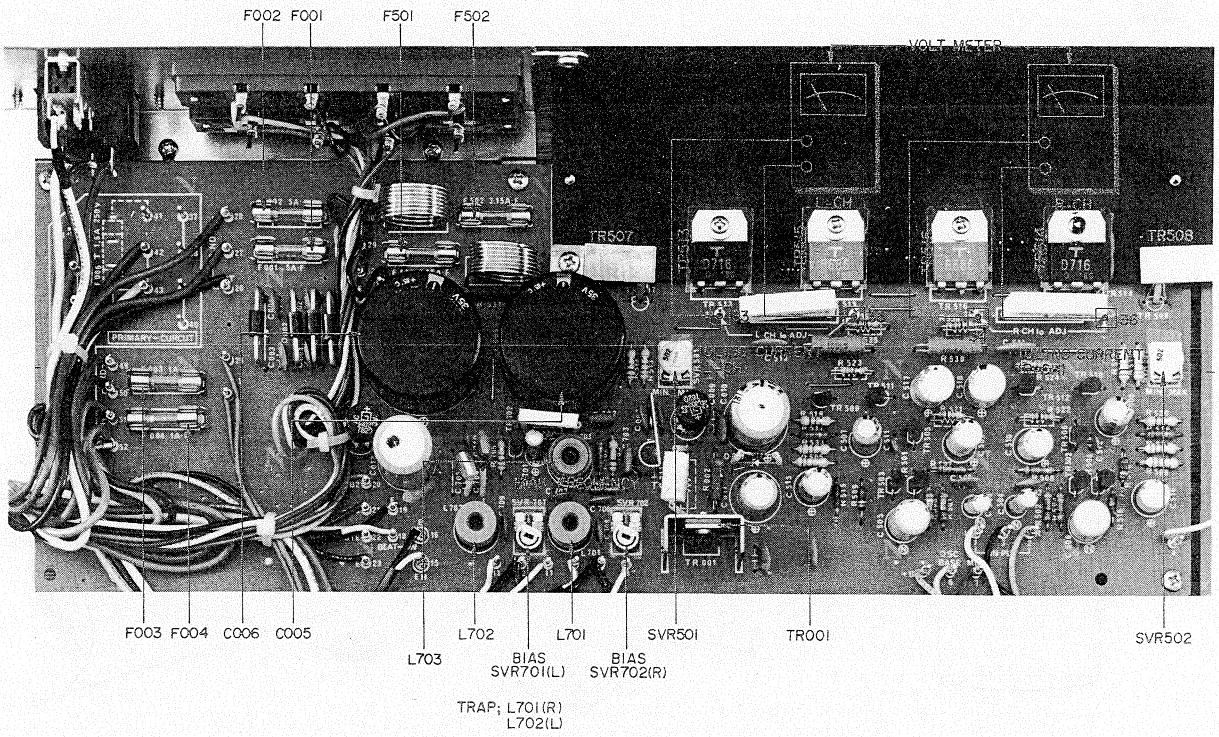

F002 F001
F501
F502
VOLT METER
L CH
R CH
TR507
TR508
F003 F004 C006 C005
L703
L702
BIAS SVR701(L)
L701
BIAS SVR702(R)
SVR501
TR001
SVR502
TRAP; L701(R) L702(L)

Fig. 6-6

(Refer to Fig. 6-6)

Step	Adjustment Item	Adjustment Point	Result	Remarks
1	Idling Current (Left channel)	SVR501	20 mV	Use a Voltmeter or Tester with DC 100 mV range.
2	Idling Current (Right channel)	SVR502		

NOTE: Please adjust the idling current only when the circuit is stabilized after the power is turned on.

3. CASSETTE SECTION ADJUSTMENT

1) CASSETTE RECORDER MECHANISM ADJUSTMENT

a) THE TORQUE AT VARIOUS MODE (Refer to Fig. 6-7)

As shown in Fig. 6-7, set a cassette torque meter on cassette base, and take a reading of the indication at each respective mode.

Playback mode:	40 to 65 grm-cm
Fast forward mode:	70 to 130 grm-cm
Rewind mode:	70 to 130 grm-cm

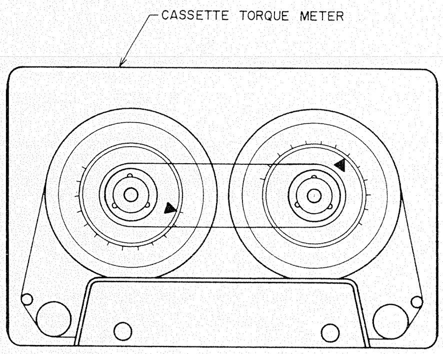

CASSETTE TORQUE METER

Fig. 6-7

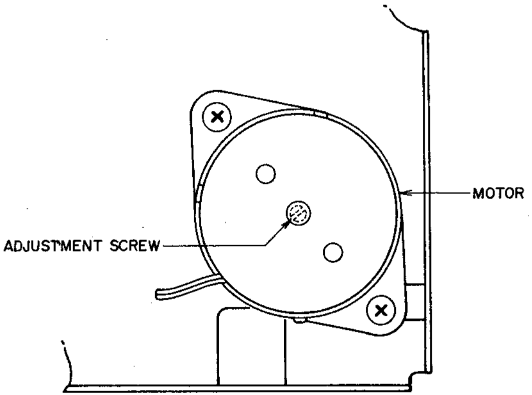


Fig. 6-8

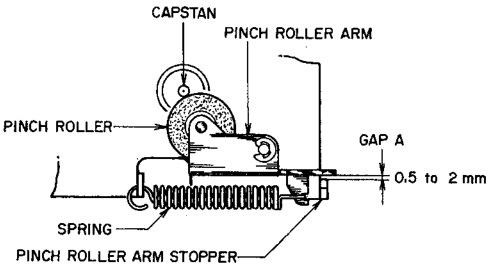


Fig. 6-9

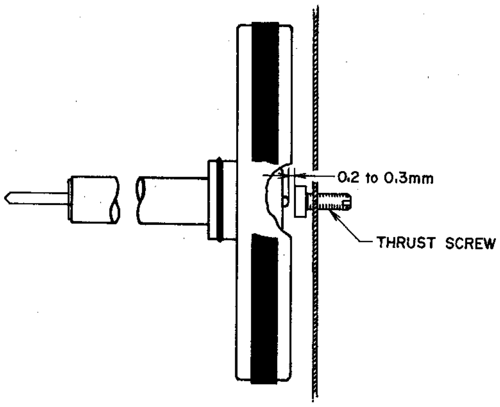


Fig. 6-10

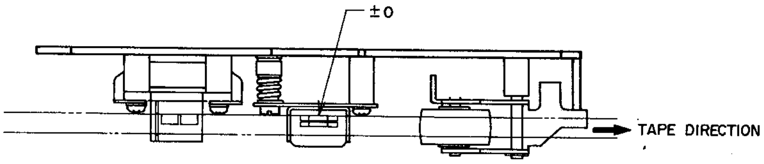


Fig. 6-11

b) TAPE SPEED (Refer to Fig. 6-8)
Playback a 1,000 Hz pre-recorded test tape and adjust tape speed adjustment screw to obtain a tape speed of 1,000 Hz ±1%.

c) PINCH ROLLER PRESSURE
(Refer to Fig. 6-9)
At playback mode, pull back the pinch roller with a spring gauge until the pinch roller separates from the capstan by about 1 mm to 2 mm and then gently return. Take a reading of the spring gauge indication at the moment the pinch roller touches the capstan and begins to rotate.

Specified Pinch Roller Pressure is 250 ±50 grm-cm.

The gap A (0.5 to 2 mm) is obtained between the pinch roller arm and the pinch roller stopper at play back mode.

d) FLYWHEEL LOOSE PLAY ADJUSTMENT
(Refer to Fig. 6-10)
Adjust by flywheel thrust screw to obtain a 0.2 to 0.3 mm of loose play. After adjustment, paint to lock the thrust screw.

e) REC/PB HEAD AZIMUTH ALIGNMENT
(Refer to Fig. 6-11)
Playback a 10 kHz Azimuth Adjustment Test Tape and adjust Rec/PB Head Azimuth Adjustment Screw to obtain maximum output.
At this time connect an oscilloscope to the line output and confirm that the left and right output waveforms are in-phase.
If not in-phase, because the azimuth adjustment has not be made to optimum point, repeat adjustment.

NOTE:

1. Be sure to clean the heads prior to adjustment.
2. As the use of a magnetized driver or other magnetized tools in the vicinity of the heads will cause the heads to become magnetized, use only demagnetized tools for head adjustment.

2) CASSETTE RECORDER AMP ADJUSTMENT

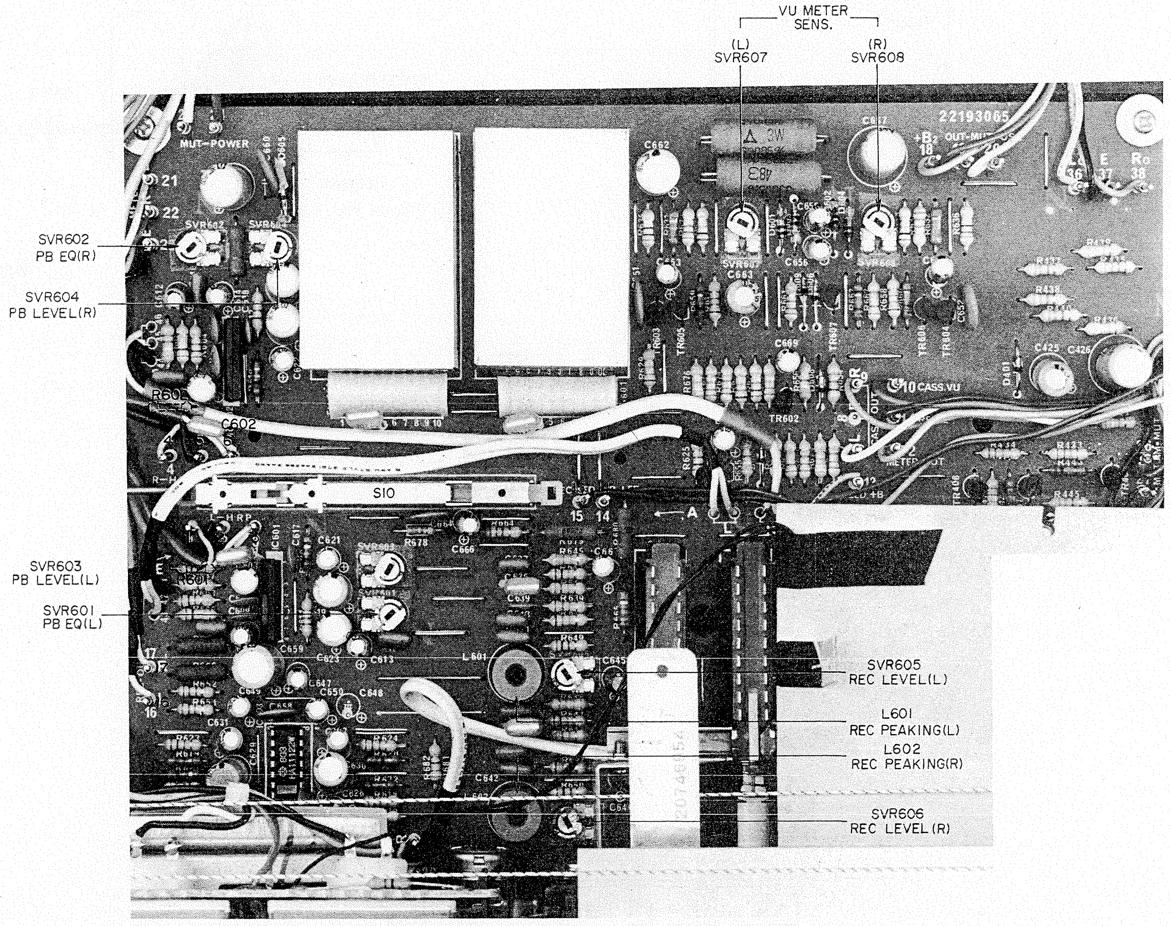

VU METER SENS.
(L) SVR607
(R) SVR608
SVR602 PB EQ(R)
SVR604 PB LEVEL(R)
SVR603 PB LEVEL(L)
SVR601 PB EQ(L)
SVR605 REC LEVEL(L)
L601 REC PEAKING(L)
L602 REC PEAKING(R)
SVR606 REC LEVEL(R)

Fig. 6-12 AF P.C Board (PC-444)

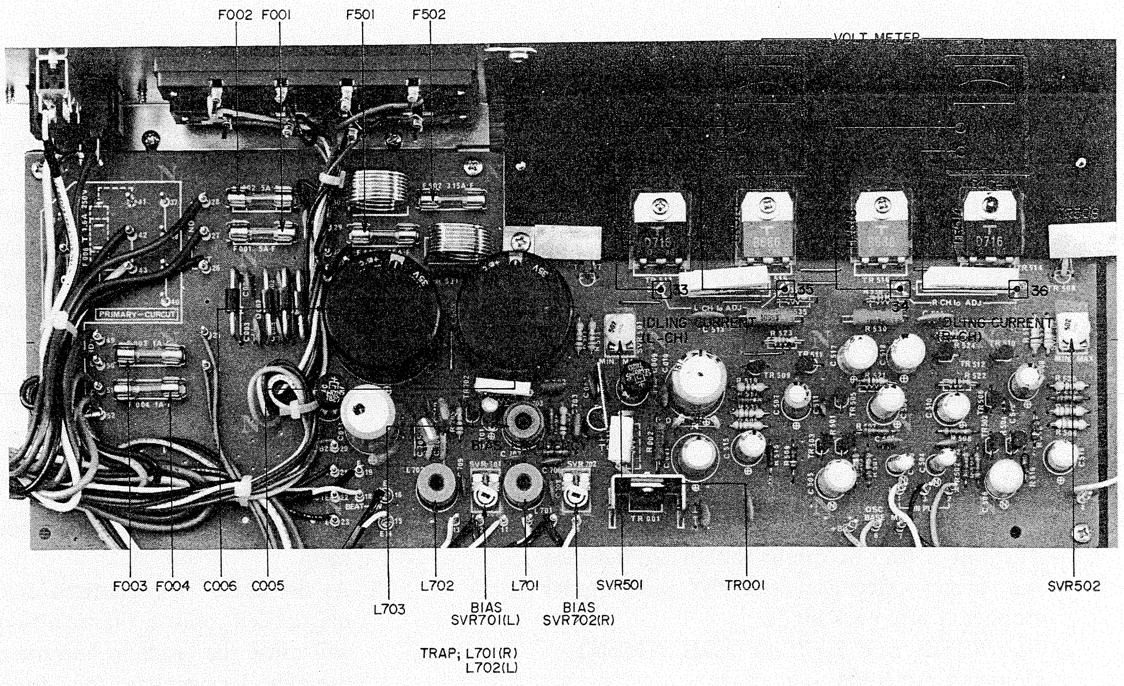

F002
F001
F501
F502
VOLT METER
F003
F004
C006
C005
L703
L702
BIAS SVR701(L)
L701
BIAS SVR702(R)
SVR501
TR001
SVR502
TRAP; L701(R) L702(L)

Fig. 6-13 Power Supply P.C Board

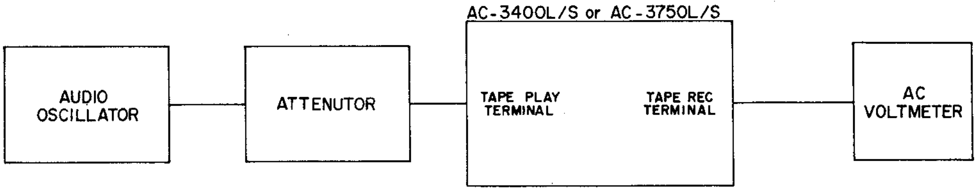


Fig. 6-14 Measuring Instrument Connection

(Refer to Fig. 6-12, Fig. 6-13 and Fig. 6-14)

Step	Adjustment Item	Mode	Test Tape (Input Signal)	Test Point	Adjustment Parts	Result and Remarks
1	Playback Level	Play	333 Hz Test Tape	Tape Rec Terminal	SVR603 (L) SVR605 (R)	−14.5 ±0.5 dB (150 mV)
2	Playback Equalizer	Play	10 kHz Test Tape	Tape Rec Terminal	SVR601 (L) SVR602 (R)	−30.5 ±0.5 dB (26 mV)
3	Bias Frequency	REC/Pause (CrO_2)	Blank Tape	Pin 3, 2 (L) Pin 6, 5 (R)	L703	66.5 kHz Rec volume set to minimum.
4	Bias Trap	Rec/Pause (CrO_2)	Blank Tape	Both side of R601 (L), R602 (R)	L701 (R) L702 (L)	Maximum level, no changes in level when Beat Switch Position is changed.
5	Bias Voltage	Rec/Pause (CrO_2)	Blank Tape	Both side of R601 (L), R602 (R)	SVR701 (L) SVR702 (R)	5.6 mV (4.0 mV at LH) Rec Volume set to minimum.
6	Readjust steps 4 and 5 twice or more.					
7	VU Meter Sensitivity	Rec/Pause (LH)	Blank Tape. Supply a 1 kHz, 150 mV to Tape play terminal	Level meter	SVR607 (L) SVR608 (R)	0 VU Rec Volume set to 150 mV at Tape Rec terminal.
8	Rec Level	Rec/PB (LH)	Blank Tape. Supply a 1 kHz, 150 mV to Tape play terminal	Rec Terminal	SVR605 (L) SVR606 (R)	150 mV at Tape Rec terminal.
9	Frequency Response	Rec/PB	Blank Tape. Supply 1 kHz −20 VU and 10 kHz, −20 VU to Tape play terminal	Rec Terminal	L601 (L) L602 (R)	1 kHz and 10 kHz flat level.
10	Readjust steps 8 and 9 twice or more.					

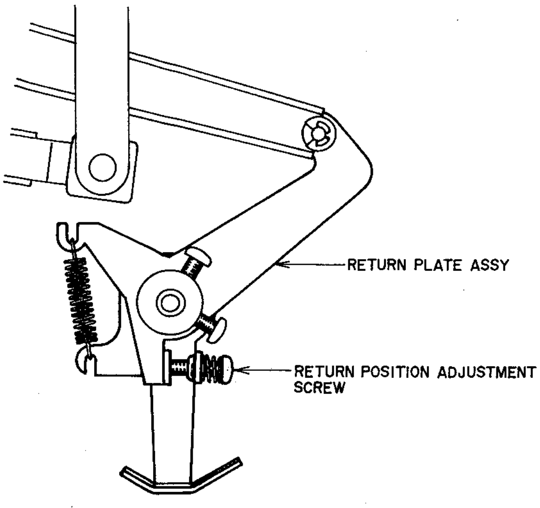


Fig. 6-15

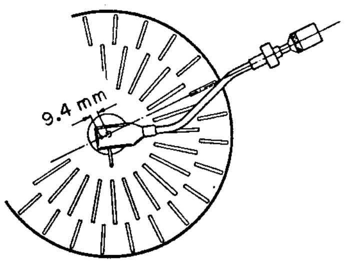


Fig. 6-16

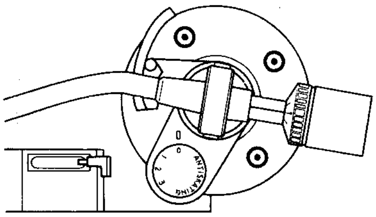


Fig. 6-17

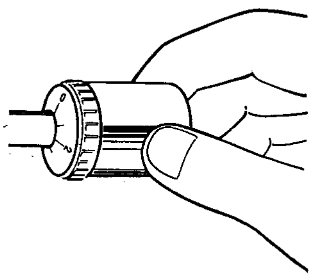


Fig. 6-18

4. TURNTABLE SECTION ADJUSTMENT (AC-3750L/S only)

1) RETURN POSITION ADJUSTMENT

As shown in Fig. 6-15, when the adjustment screw is turned to the right, the return position is slowed (inside circumference approach) and when the adjustment screw is turned to the left, the return position is speeded up (outside circumference approach).

* When the adjustment screw is turned one revolution, the position of the PU Arm stylus tip is changed by about 8.5 mm)

* Always confirm this adjustment with 30 cm LP record.
Also with turntable removed, confirm that the AUTO-CLUTCH begins to move out when the PU Arm stylus tip is 65.5 mm to 59 mm from the turntable shaft center.

2) OVERHANG ADJUSTMENT

The overhang is determined by the distance between the stylus and turntable spindle when the tone arm is moved to the center of the turntable. Correct overhang for the AC-3750L/S is 9.4 mm.

3) STYLUS PRESSURE ADJUSTMENT

1. Turn on power switch.
2. Set the anti-skating adjuster to 0 and check that the tone arm lifter lever is at ▼ Fig. 6-17.
3. Remove stylus guard and lift tone arm off arm rest.
4. Pull Start/stop lever towards you and release immediately. Wait until the tone arm lifter descends completely.
5. Adjust main weight by turning it left or right so that the tone arm becomes horizontal with the turntable.
6. Turn only the stylus scale ring and set to 0. Then turn both main weight and stylus scale ring to 2 (recommended stylus pressure). Fig. 6-18
7. Set anti-skating adjuster to 2.
8. Pull the start/stop lever to return tone arm to rest.
   - * Be careful not to damage the stylus.
   - * As dust or other foreign matter adhering to the stylus or cartridge causes stylus and disc damage as well as deterioration of tone quality, the stylus must be kept clean.

VII. DC RESISTANCE OF VARIOUS HEADS

Part	DC Resistance
Rec/PB Head	170 ohms
Erase Head	4 ohms

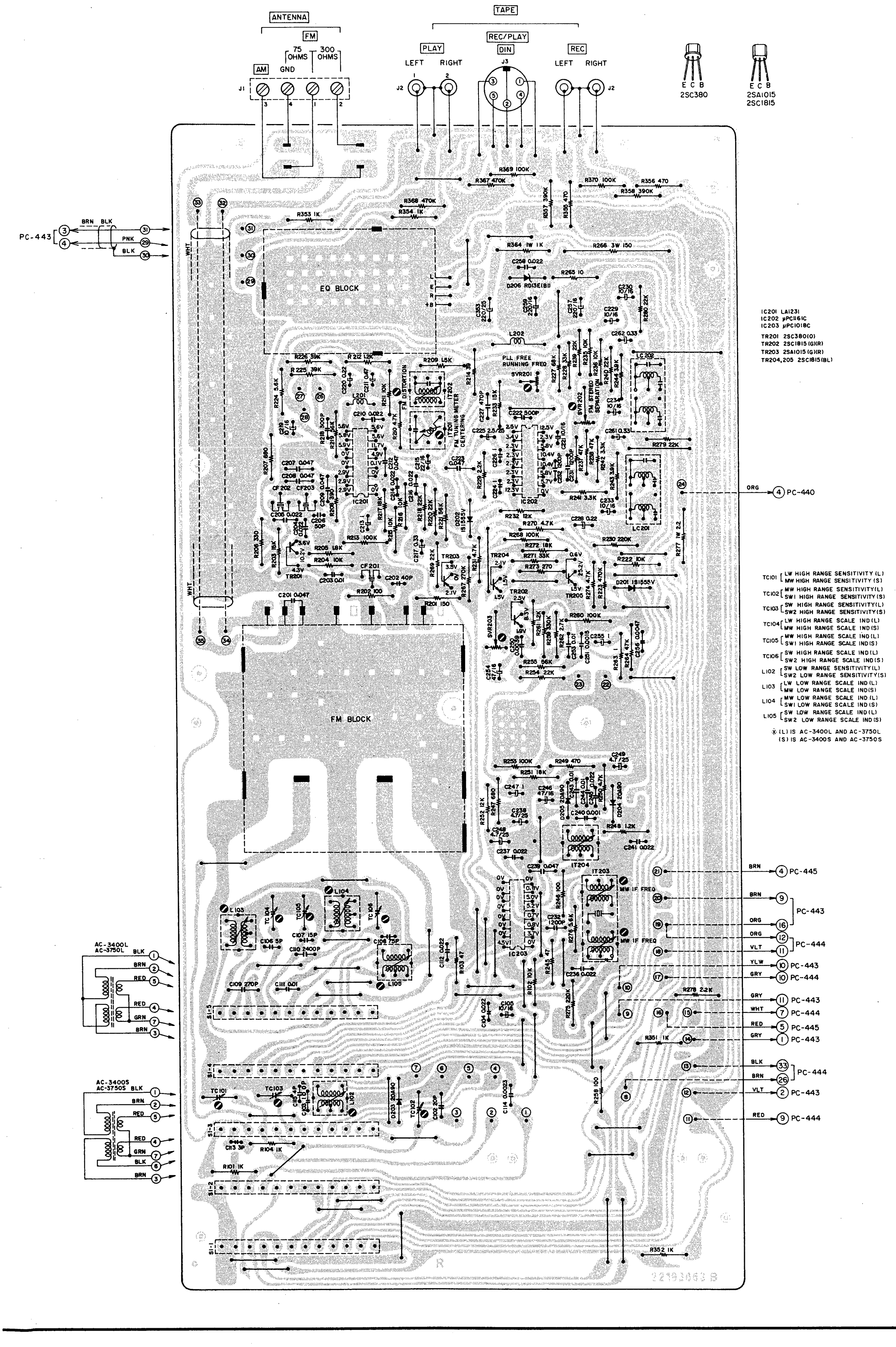
VIII. CLASSIFICATION OF VARIOUS P.C BOARDS

1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

P.C Board Title	Number of P.C Board
Auto P.C Board	PC-356 (22193091)
Sensor P.C Board	PC-357 (22193052)
Power Supply P.C Board	PC-440 (22193062)
Lamp P.C Board	PC-441 (22193061)
Switch P.C Board	PC-443 (22193060A)
Jack P.C Board	PC-442 (22193059)
AF P.C Board	PC-444 (22193065)
LED P.C Board	PC-445 (22193064)
Radio P.C Board	PC-439 (22193063B)
Dolby P.C Board	FU-407 (2219303600)
Equalizer P.C Board	FU-408 (3145A)

2. COMPOSITION OF VARIOUS P.C BOARD

1) RADIO P.C BOARD PC-439 (22193063B)


ANTENNA
FM
75 OHMS
300 OHMS
AM
GND
J1
TAPE
PLAY
REC/PLAY
DIN
REC
LEFT
RIGHT
J2
J3
E C B
2SC380
2SA1015
2SC1815
PC-443
BRN
BLK
PNK
WHT
EQ BLOCK
FM BLOCK
PLL FREE RUNNING FREQ
SVR201
FM STEREO SEPARATION
SVR202
FM DISTORTION
FM TUNING METER CENTERING
IT201
IT202
IT203
IT204
IC201
IC202
IC203
TR201
TR202
TR203
TR204
TR205
LC201
LC202
MW IF FREQ
ORG
PC-440
PC-445
PC-444
YLW
GRY
VLT
RED
GRN
AC-3400L
AC-3750L
AC-3400S
AC-3750S
S1-1
S1-2
S1-3
S1-4
S1-5
TC101
TC102
TC103
TC104
TC105
TC106
L102
L103
L104
L105
22193063 B

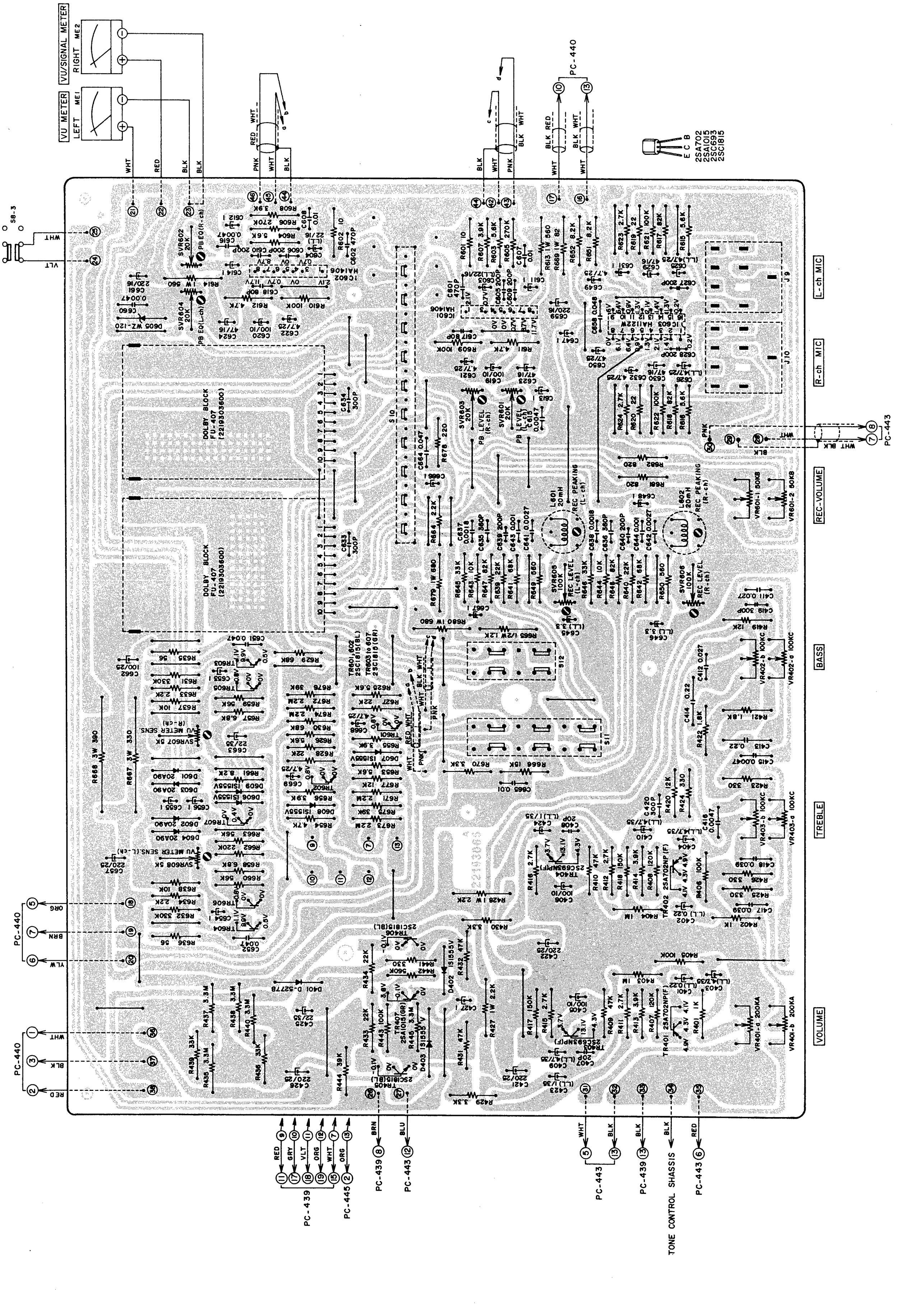
IC201 LA1231
IC202 μPC1161C
IC203 μPC1018C

TR201 2SC380(O)
TR202 2SC1815(G)(R)
TR203 2SA1015(G)(R)
TR204,205 2SC1815(BL)

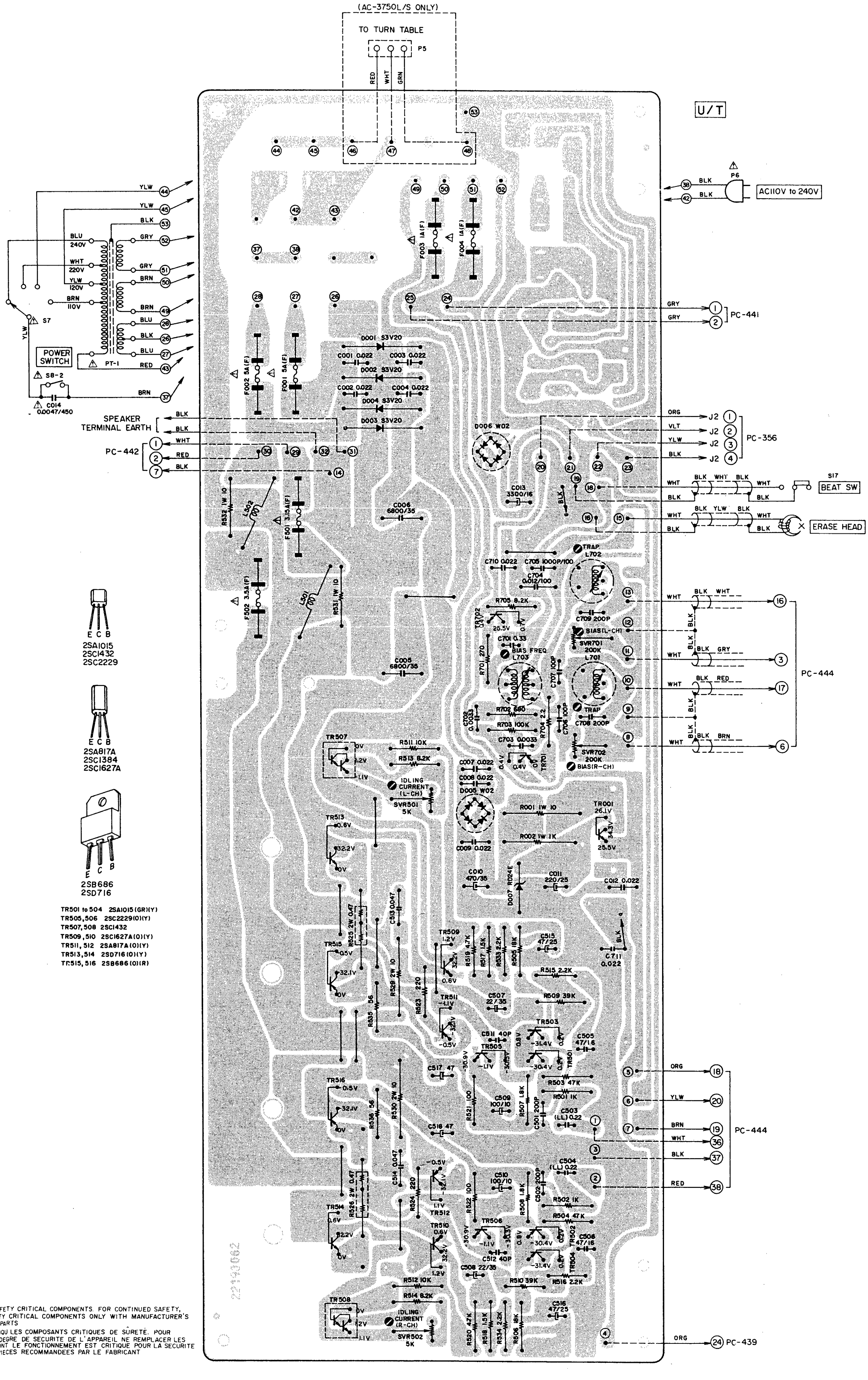
TC101 [LW HIGH RANGE SENSITIVITY (L)
MW HIGH RANGE SENSITIVITY (S)
TC102 [MW HIGH RANGE SENSITIVITY (L)
SW1 HIGH RANGE SENSITIVITY (S)
TC103 [SW HIGH RANGE SENSITIVITY (L)
SW2 HIGH RANGE SENSITIVITY (S)
TC104 [LW HIGH RANGE SCALE IND (L)
MW HIGH RANGE SCALE IND (S)
TC105 [MW HIGH RANGE SCALE IND (L)
SW1 HIGH RANGE SCALE IND (S)
TC106 [SW HIGH RANGE SCALE IND (L)
SW2 HIGH RANGE SCALE IND (S)
L102 [SW LOW RANGE SENSITIVITY (L)
SW2 LOW RANGE SENSITIVITY (S)
L103 [LW LOW RANGE SCALE IND (L)
MW LOW RANGE SCALE IND (S)
L104 [MW LOW RANGE SCALE IND (L)
SW1 LOW RANGE SCALE IND (S)
L105 [SW LOW RANGE SCALE IND (L)
SW2 LOW RANGE SCALE IND (S)

※ (L) IS AC-3400L AND AC-3750L
(S) IS AC-3400S AND AC-3750S

2) AF P.C BOARD PC-444 (22193065)


VU METER
LEFT ME1
VU/SIGNAL METER
RIGHT ME2
PC-440
PC-443
PC-439
PC-445
2SA702
2SA1015
2SC693
2SC1815
E C B
DOLBY BLOCK FU-407 (22193600)
L-ch MIC
R-ch MIC
REC-VOLUME
BASS
TREBLE
VOLUME
TONE CONTROL SHASSIS

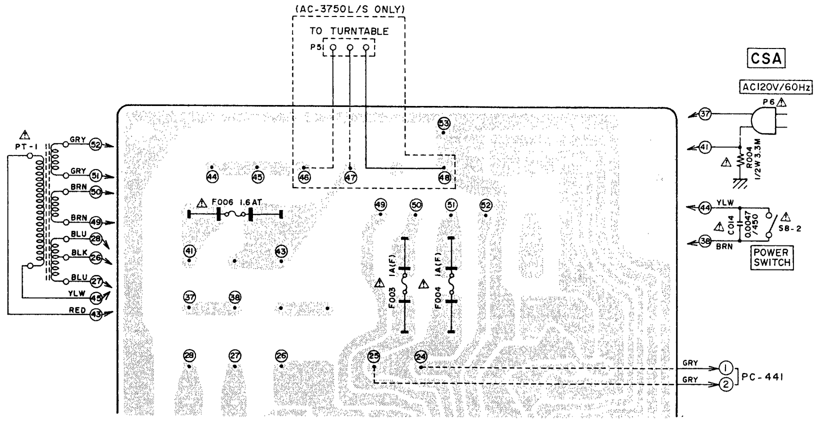
3) POWER SUPPLY P.C BOARD PC-440 (22193062)

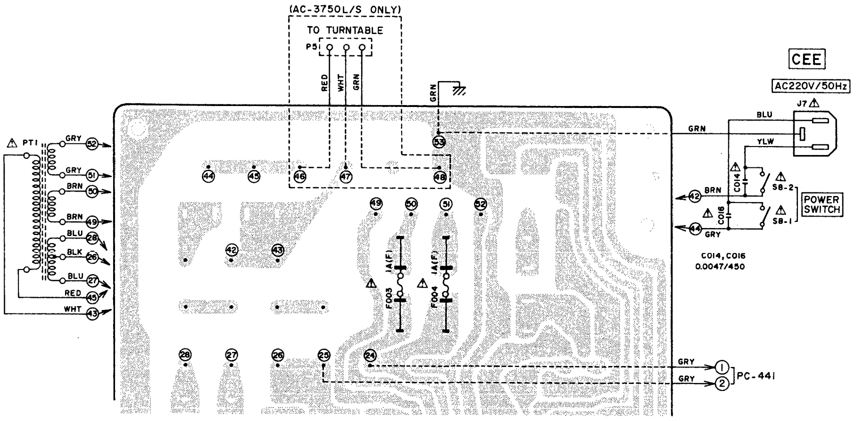

(AC-3750L/S ONLY)
TO TURN TABLE
P5
RED
WHT
GRN
U/T
P6
BLK
AC110V to 240V
YLW
BLU
240V
WHT
220V
120V
BRN
110V
GRY
S7
POWER SWITCH
PT-1
S8-2
C014 0.0047/450
SPEAKER TERMINAL EARTH
PC-442
PC-441
PC-356
J2
S17
BEAT SW
ERASE HEAD
PC-444
ORG
VLT
F001 5A(F)
F002 5A(F)
F003 1A(F)
F004 1A(F)
F501 3.15A(F)
F502 3.15A(F)
D001 S3V20
D002 S3V20
D003 S3V20
D004 S3V20
C001 0.022
C002 0.022
C003 0.022
C004 0.022
D006 W02
C013 3300/16
C006 6800/35
C005 6800/35
R532 1W 10
R531 1W 10
L502
L501
C710 0.022
C705 1000P/100
C704 0.012/100
TRAP L702
R705 8.2K
TR702
C709 200P
BIAS(L-CH)
SVR701 200K
C701 0.33
BIAS FREQ L703
L701
R701 270
C707 100P
R702 560
R704 2.2
R703 100K
C708 200P
C703 0.0033
SVR702 200K
BIAS(R-CH)
TR701
TR507
R511 10K
R513 8.2K
IDLING CURRENT (L-CH)
SVR501 5K
C007 0.022
C008 0.022
D005 W02
R001 1W 10
R002 1W 1K
TR001
C009 0.022
C010 470/35
D007 RD24E
C011 220/25
C012 0.022
TR513
TR515
TR509
C711 0.022
C515 47/25
R515 2.2K
R509 39K
TR511
C507 22/35
TR503
C511 40P
TR505
C505 47/16
TR501
C517 47
R503 47K
R501 1K
C509 100/10
C503 (LL) 0.22
TR516
C516 47
C504 (LL) 0.22
C510 100/10
R502 1K
R504 47K
TR514
TR512
TR510
TR506
TR502
TR504
C506 47/16
C512 40P
C508 22/35
R510 39K
R516 2.2K
R512 10K
R514 8.2K
TR508
IDLING CURRENT (R-CH)
SVR502 5K
C516 47/25
PC-439
22193062
E C B
2SA1015
2SC1432
2SC2229
2SA817A
2SC1384
2SC1627A
2SB686
2SD716

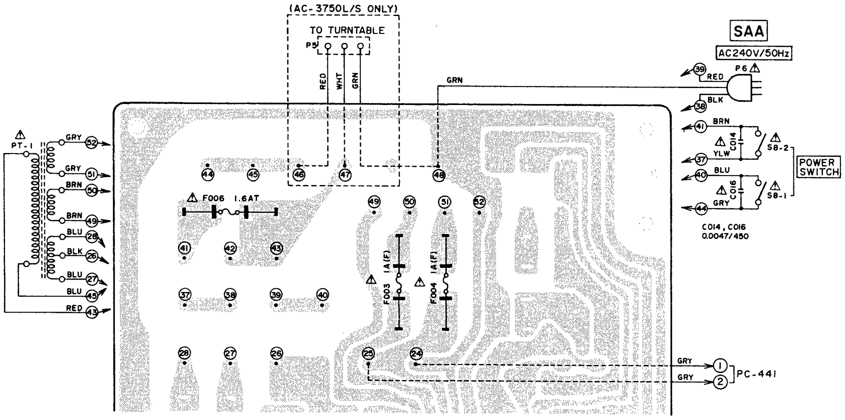
TR501 to 504	2SA1015 (GR)(Y)
TR505, 506	2SC2229 (O)(Y)
TR507, 508	2SC1432
TR509, 510	2SC1627A (O)(Y)
TR511, 512	2SA817A (O)(Y)
TR513, 514	2SD716 (O)(Y)
TR515, 516	2SB686 (O)(R)

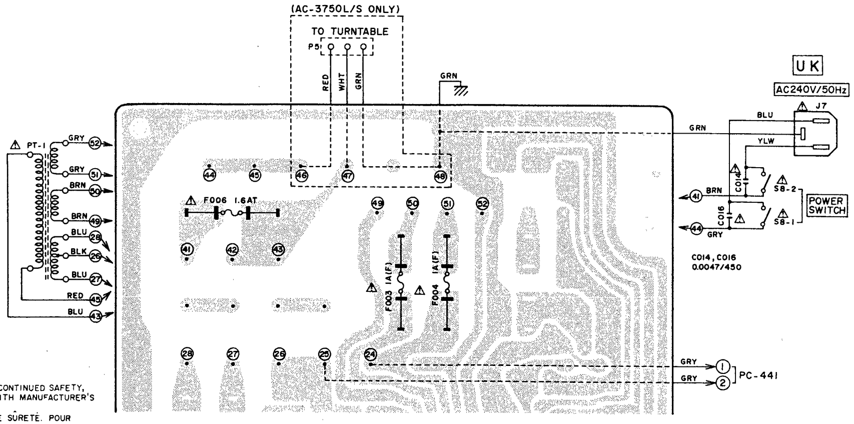
WARNING: ⚠INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES CONPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT


(AC-3750L/S ONLY)
TO TURNTABLE
P5
CSA
AC120V/60Hz
P6
R004 1/2W 3.3M
C014 0.0047/450
S8-2
POWER SWITCH
YLW
BRN
PT-1
GRY
BRN
BLU
BLK
YLW
RED
F006 1.6AT
F003 1A(F)
F004 1A(F)
GRY
PC-441


(AC-3750L/S ONLY)
TO TURNTABLE
P5
RED
WHT
GRN
CEE
AC220V/50Hz
J7
BLU
YLW
GRN
BRN
GRY
S8-2
S8-1
POWER SWITCH
C014, C016 0.0047/450
PT1
GRY
BRN
BLU
BLK
RED
WHT
F003 1A(F)
F004 1A(F)
PC-441

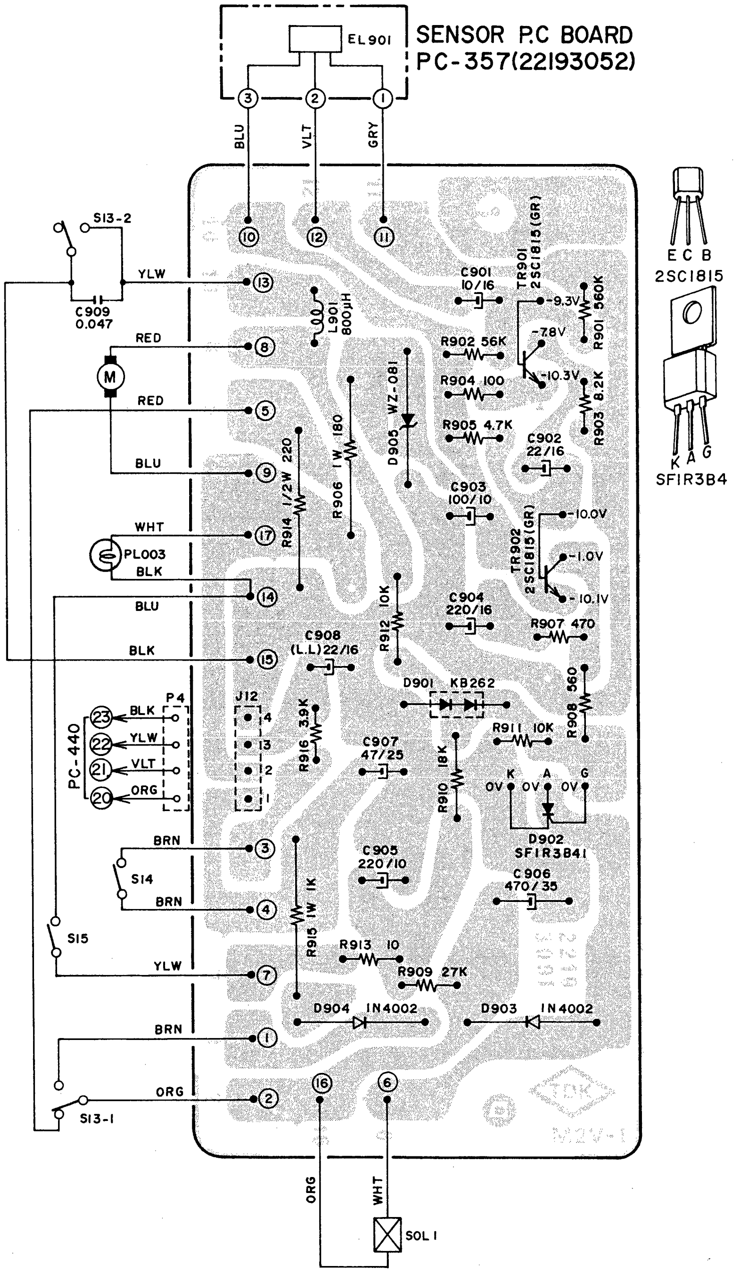

(AC-3750L/S ONLY)
TO TURNTABLE
P5
RED
WHT
GRN
SAA
AC240V/50Hz
P6
RED
BLK
BRN
YLW
BLU
GRY
S8-2
S8-1
POWER SWITCH
C014, C016 0.0047/450
PT-1
GRY
BRN
BLU
BLK
RED
F006 1.6AT
F003 1A(F)
F004 1A(F)
PC-441


(AC-3750L/S ONLY)
TO TURNTABLE
P5
RED
WHT
GRN
UK
AC240V/50Hz
J7
BLU
YLW
GRN
BRN
GRY
S8-2
S8-1
POWER SWITCH
C014, C016 0.0047/450
PT-1
GRY
BRN
BLU
BLK
RED
F006 1.6AT
F003 1A(F)
F004 1A(F)
PC-441

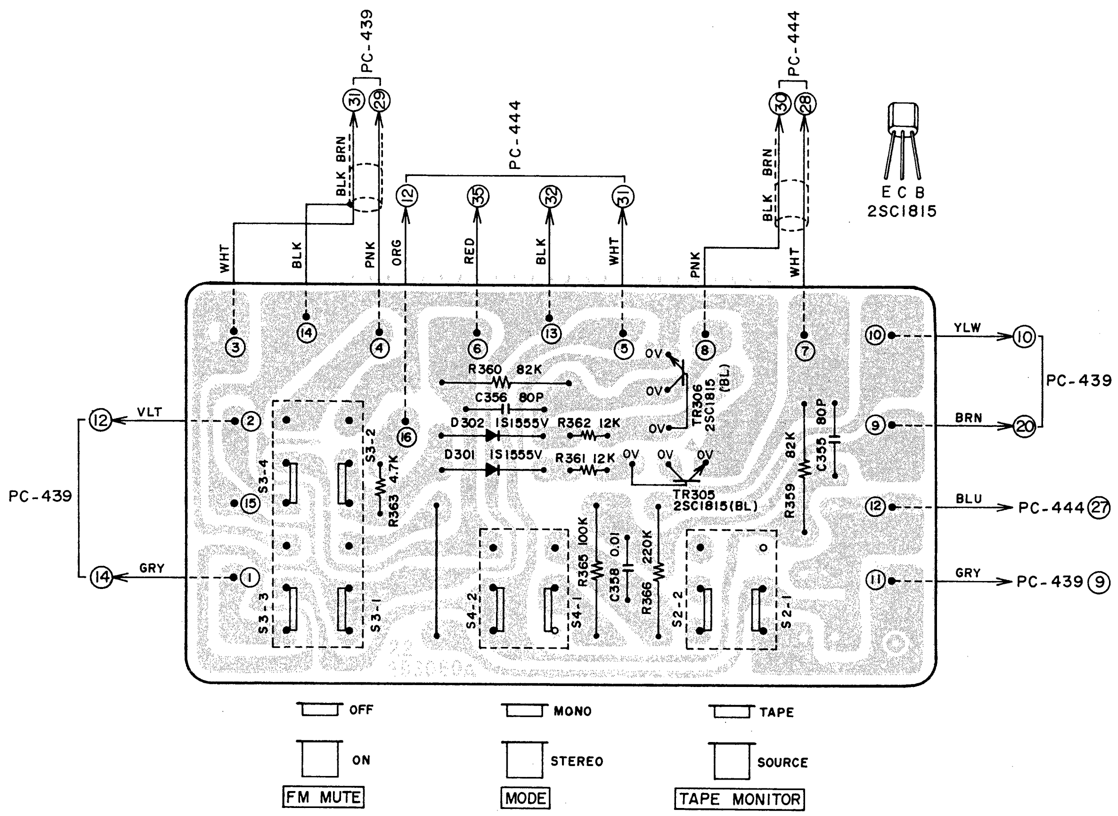
WARNING: ⚠INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES CONPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

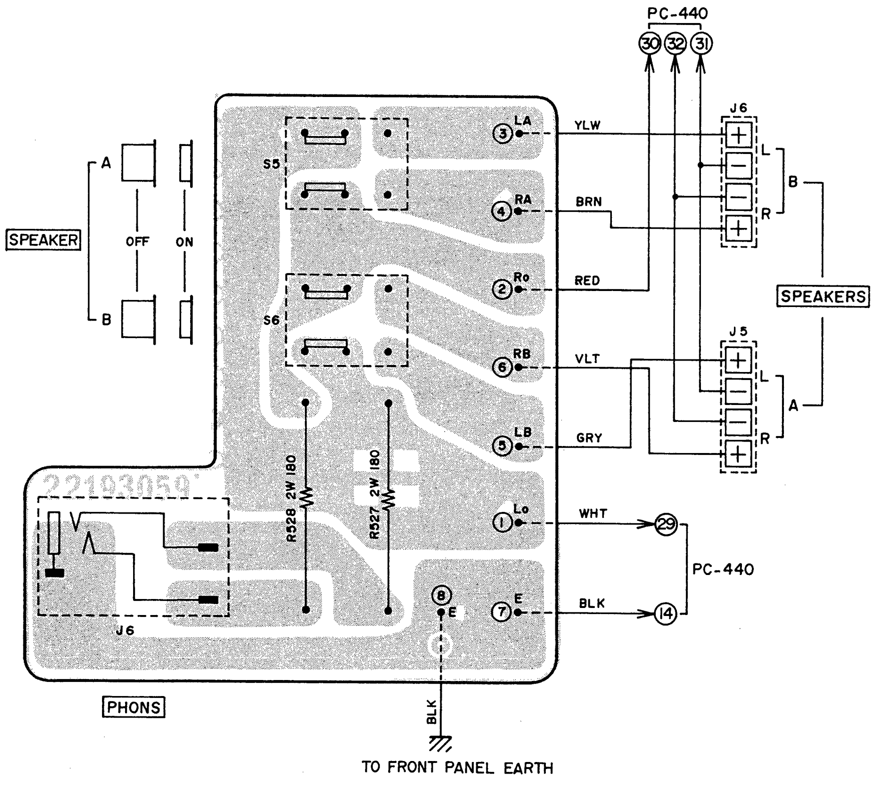
4) AUTO P.C BOARD PC-356 (22193091)


EL901
SENSOR P.C BOARD
PC-357(22193052)
BLU
VLT
GRY
S13-2
YLW
C909
0.047
RED
M
RED
BLU
WHT
PL003
BLK
BLU
BLK
P4
BLK
YLW
VLT
ORG
PC-440
J12
BRN
S14
BRN
S15
YLW
BRN
ORG
S13-1
ORG
WHT
SOL I
L901
800μH
R914 1/2W 220
R906 1W 180
D905 WZ-081
C901
10/16
TR901
2SC1815(GR)
-9.3V
R901 560K
R902 56K
-7.8V
R904 100
-10.3V
R903 8.2K
R905 4.7K
C902
22/16
C903
100/10
TR902
2SC1815(GR)
-10.0V
-1.0V
-10.1V
R912 10K
C904
220/16
R907 470
C908
(L.L) 22/16
D901 KB262
R908 560
R916 3.9K
C907
47/25
R911 10K
R910 18K
K
A
G
0V
0V
0V
D902
SF1R3B41
C905
220/10
C906
470/35
R915 1W 1K
R913 10
R909 27K
D904 IN4002
D903 IN4002
E C B
2SC1815
K A G
SF1R3B4

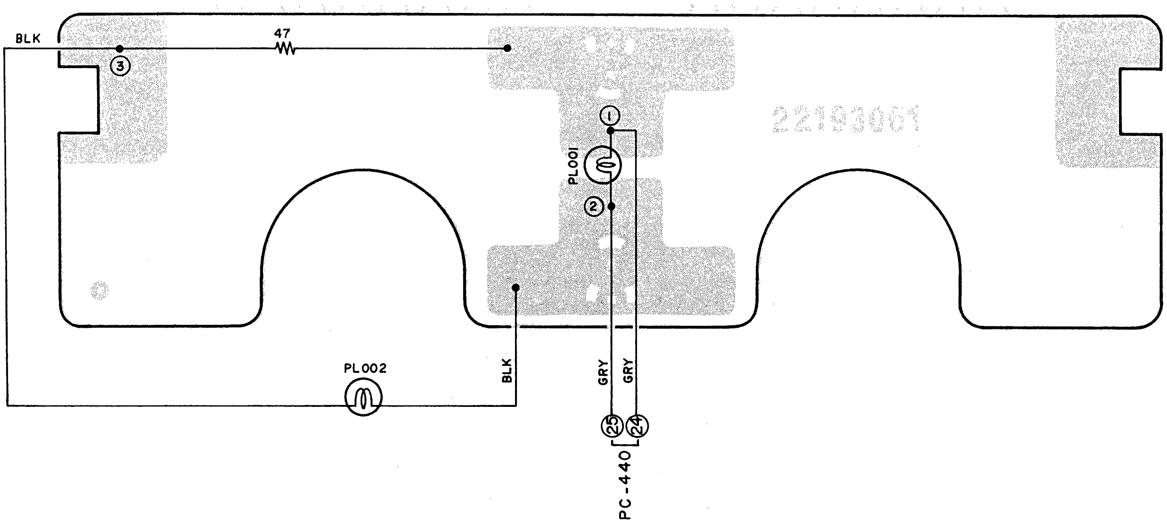
5) SWITCH P.C BOARD PC-443 (22193060A)


PC-439
㉛ ㉙
BLK BRN
PC-444
⑫ ㉟ ㉜ ㉛
PC-444
㉚ ㉘
BLK BRN
E C B
2SC1815
WHT
BLK
PNK
ORG
RED
BLK
WHT
PNK
WHT
③ ⑭ ④ ⑥ ⑬ ⑤ ⑧ ⑦
0V
R360 82K
C356 80P
D302 1S1555V R362 12K
D301 1S1555V R361 12K
TR306 2SC1815 (BL)
TR305 2SC1815(BL)
R359 82K
C355 80P
R363 4.7K
⑯
R365 100K
C358 0.01
R366 220K
S3-4 S3-2 S3-3 S3-1
S4-2 S4-1
S2-2 S2-1
⑫ VLT ②
⑮
⑭ GRY ①
PC-439
⑩ YLW ⑩
⑨ BRN ⑳
PC-439
⑫ BLU PC-444㉗
⑪ GRY PC-439⑨
OFF
ON
FM MUTE
MONO
STEREO
MODE
TAPE
SOURCE
TAPE MONITOR

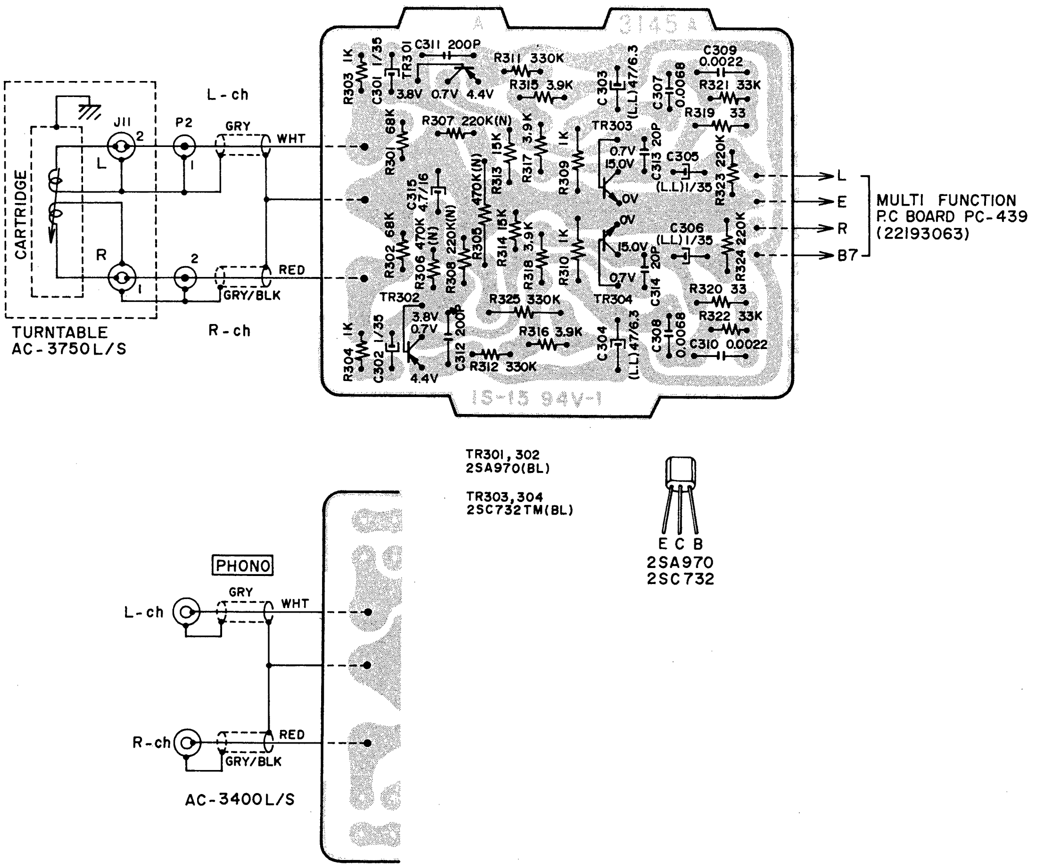
6) JACK P.C BOARD PC-442 (22193059)


PC-440
㉚ ㉜ ㉛
J6
③ LA YLW
④ RA BRN
② Ro RED
⑥ RB VLT
⑤ LB GRY
① Lo WHT ㉙
⑦ E BLK ⑭
PC-440
⑧ E
S5
S6
A
B
SPEAKER
OFF
ON
L
R
B
SPEAKERS
J5
L
R
A
R528 2W 180
R527 2W 180
22193059
J6
PHONS
BLK
TO FRONT PANEL EARTH

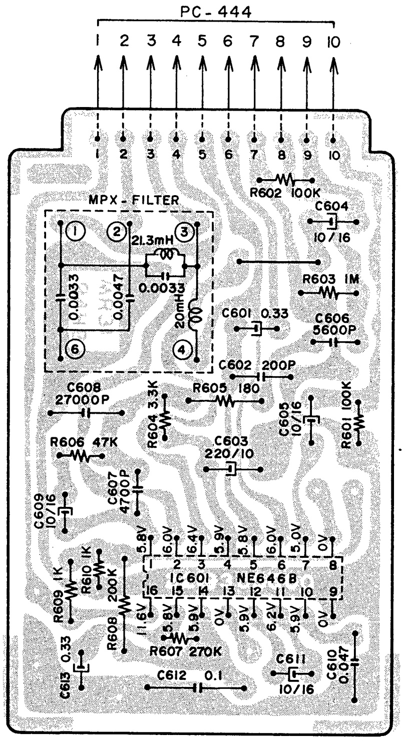
7) LAMP P.C BOARD PC-441 (22193061)


BLK
47
③
①
②
PL001
22193061
PL002
BLK
GRY
GRY
㉕
㉔
PC-440

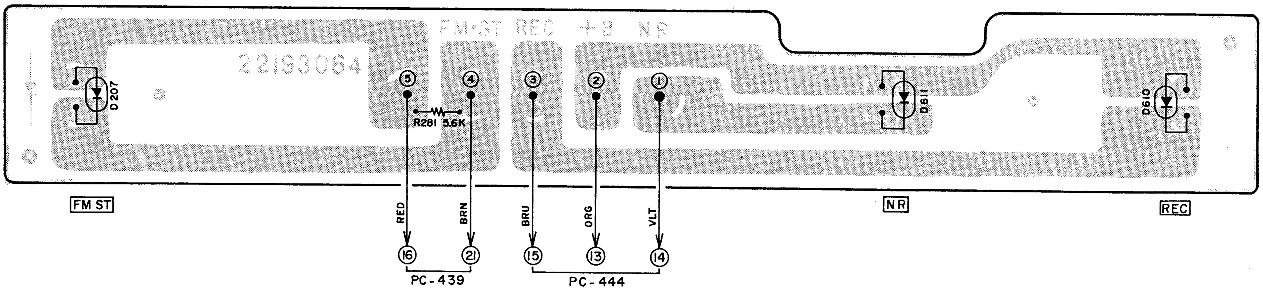
8) EQUALIZER P.C BOARD FU-408 (3145A)


CARTRIDGE
J11
L
R
2
1
P2
1
2
L-ch
GRY
WHT
RED
GRY/BLK
R-ch
TURNTABLE
AC-3750L/S
A
3145 A
R303 1K
C301 1/35
TR301
C311 200P
3.8V 0.7V 4.4V
R311 330K
R315 3.9K
C303 (L.L)47/6.3
C307 0.0068
C309 0.0022
R321 33K
R319 33
R301 68K
R307 220K(N)
R313 15K
R317 3.9K
R309 1K
TR303
0.7V
15.0V
0V
C313 20P
C305 (L.L)1/35
R323 220K
C315 4.7/16
R302 68K
R306 470K (N)
R308 220K(N)
R305 470K(N)
R314 15K
R318 3.9K
R310 1K
C306 (L.L)1/35
R324 220K
C314 20P
TR302
TR304
R325 330K
R320 33
R322 33K
R304 1K
C302 1/35
C312 200P
R312 330K
R316 3.9K
C304 (L.L)47/6.3
C308 0.0068
C310 0.0022
15-15 94V-1
L
E
R
B7
MULTI FUNCTION
P.C BOARD PC-439
(22193063)
TR301, 302
2SA970(BL)
TR303, 304
2SC732TM(BL)
E C B
2SA970
2SC732
PHONO
L-ch
GRY
WHT
R-ch
RED
GRY/BLK
AC-3400L/S

9) DOLBY P.C BOARD FU-407 (2219303600)


PC-444
1 2 3 4 5 6 7 8 9 10
R602 100K
MPX-FILTER
C604 10/16
① ② ③ ④ ⑥
21.3mH
0.0033
0.0047
0.0033
20mH
R603 1M
C601 0.33
C606 5600P
C602 200P
C608 27000P
R604 3.3K
R605 180
C605 10/16
R601 100K
R606 47K
C603 220/10
C607 4700P
C609 10/16
5.8V 16.0V 16.4V 5.9V 5.8V 16.0V 5.0V 0V
IC601 NE646B
11.6V 5.8V 5.9V 0V 5.9V 6.2V 5.9V 0V
R609 1K
R610 1K
R608 200K
R607 270K
C613 0.33
C612 0.1
C611 10/16
C610 0.047

10) LED P.C BOARD PC-445 (22193064)


FM·ST REC +B NR
22193064
D207
⑤ ④ ③ ② ①
R281 5.6K
D611
D610
FM ST
NR
REC
RED
BRN
BRU
ORG
VLT
⑯ ㉑ ⑮ ⑬ ⑭
PC-439
PC-444

MEMO

MEMO

MEMO

MEMO

MEMO

SECTION 2

PARTS LIST

TABLE OF CONTENTS

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4. DOLBY P.C BOARD COMP. 46
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6. POWER SUPPLY P.C BOARD COMP. 48
7. PL P.C BOARD COMP. 49
8. JACK P.C BOARD COMP. 49
9. SW. P.C BOARD COMP. 50
10. AF P.C BOARD COMP. 50
11. AUTO P.C BOARD COMP. 51
12. SENSER P.C BOARD COMP. 51
13. PHONO P.C BOARD COMP. 51
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15. TURNTABLE BLOCK (2) 54
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INDEX 60

Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read List

The reference number corresponds with illustration or photo number of that particular parts list.

This number corresponds with the Figure Number.

This number corresponds with the individual parts index number in that figure.

A small "x" indicates the inability to show that particular part in the Photo or Illustration.

12-115x

Schematic Diagram Number of individual manufactured part.
(not required for parts order)

Quantity of particular part required.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FLYWHEEL BLOCK #13		
12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of Components of the Schematic Diagram or Service Manual.
5. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

CAUTION:
1. When placing an order for parts, be sure to list the parts no. model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because parts number and parts unit supply in the Preliminary Service Manual (Basic Parts List) may be partially changed, please use this parts list for all future reference.

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

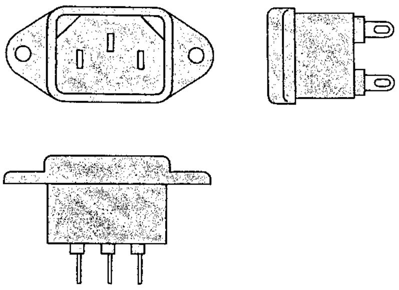
AVERTISSEMENT: ⚠ IL INDIQU LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

AC INLET SYSTEM

This model is equipped with an AC INLET SYSTEM. Please refer to the AC INLET SYSTEM CHART below for the specific type. By the AC INLET SYSTEM, AC (mains) cord can be connected to and disconnected from the model because the model is provided with socket exclusively for AC (mains) cord on its main body.
Please note, however, that certain models are not equipped with this system and has a built-in AC (mains) cord as before.

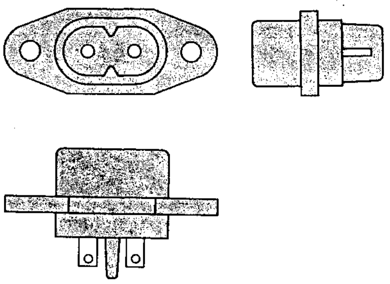
AC INLET SYSTEM CHART

CLASS I



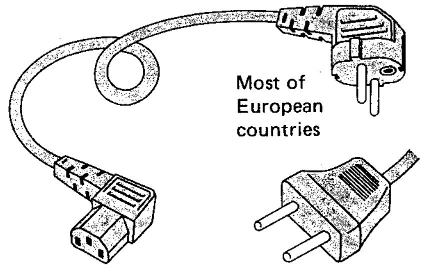
CLASS II

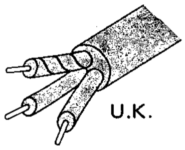
⊡ This mark indicating double insulation will be attached to machine's rear panel



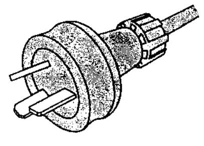
Picture 1

AC INLET
to be
installed
on machines


Most of
European
countries
Connects to
machine's
AC Inlet
Denmark



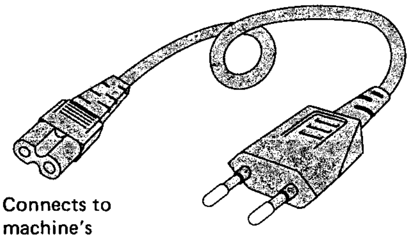
U.K.

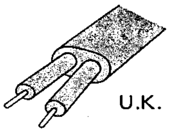


Australia
differs according
to wall socket

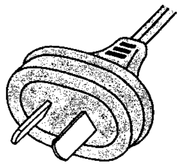
Picture 2

AC (mains)
cord


Connects to
machine's
AC Inlet
Most of the
European
countries



U.K.



Australia
differs according
to wall socket

Parts List for AC (mains) Cord Set

Standard		Description	Type of AC Inlet	Parts No.
Class I	CEE	Cord Set CEE (3 cores)	3P	EW302993
	BEAB	Cord Set BEAB (3 cores)	3P	EW302994
	SAA	Cord Set SAA (3 cores)	3P	EW302996
	U/T	Cord Set U/T (3 cores)	3P	EW302646
Class II	CEE	Cord Set CEE (2 cores)	2P	EW638144
	BEAB	Cord Set BEAB (2 cores)	2P	EW302995
	SAA	Cord Set SAA (2 cores)	2P	EW302991
	U/T	Cord Set U/T (2 cores)	2P	EW302899

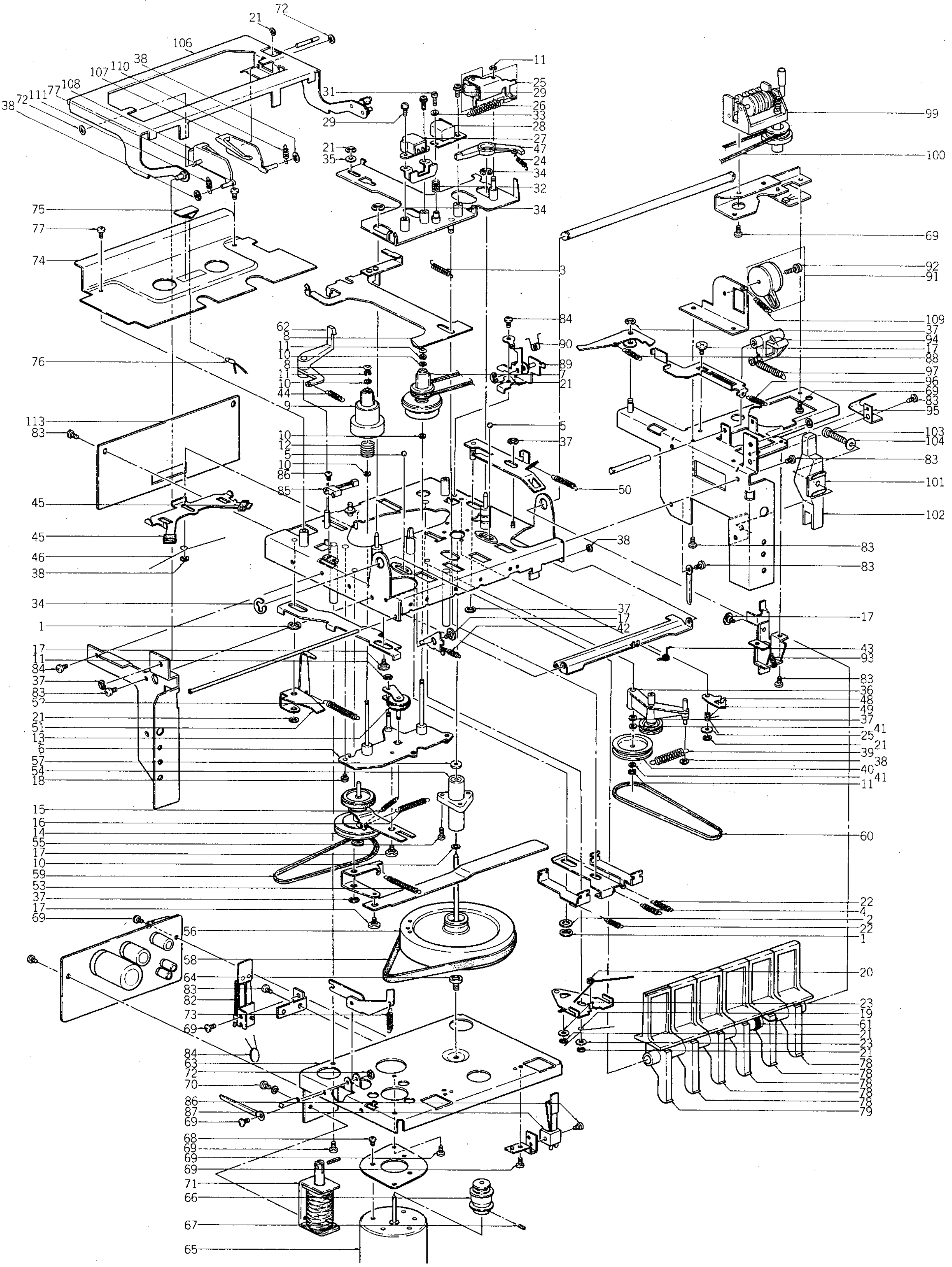
1. RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

Parts No.	Description	Note
BA741970	AF P.C Board Comp. AC-3750	
BA742145	Auto P.C Board Comp. AC-3750	
BA741888	Dolby P.C Board Comp. AC-3750	
BA741885	EQ P.C Board Comp. AC-3750	
BA741934	Power Supply P.C Board Comp. AC-3750 (U, E)	U/T, CEE
BA741935	Power Supply P.C Board Comp. AC-3750 (C)	CSA
BA741898	Radio P.C Board Comp. AC-3750S (CSA)	
BA741895	Radio P.C Board Comp. AC-3750S (U/T, SAA)	
BA741896	Radio P.C Board Comp. AC-3750L (CEE, UK)	
BL742071	Pinch Roller Arm Assy AC-3750	
BM742100	Motor (DC-EG) AC-3750	
BM742018	Motor Block Comp. AC-3750 (C)	CSA
BM742006	Motor Block Comp. AC-3750 (U, E, B, S)	U/T, CEE, SAA, UK
BR702545	Supply·Reel Assy AC-3750	
BR702544	Take-up Reel Assy AC-3750	
BT741994	⚠ Power Trans. AC-3750 (U)	U/T
BT741999	⚠ Power Trans. AC-3750 (E)	CEE
BT742015	⚠ Power Trans. AC-3750 (C)	CSA
BT742003	⚠ Power Trans. AC-3750 (S, B)	SAA, UK
ED740049	Diode W02 AP-007	
ED742019	Diode D-5277B AC-3750	
ED742138	Diode KB262 AC-3750	
ED741906	Diode RD13E-B1 AC-3750	
ED742137	Diode SF1R3B41 AC-3750	
ED741954	Diode S3V20-X AC-3750	
ED742139	Diode WZ081 AC-3750	
ED741904	Diode 1S1555V AC-3750	
ED741904	Diode 1S1555V AC-3750	
ED741904	Diode 1S1555V AC-3750	
ED741904	Diode 1S1555V AC-3750	
ED741905	Diode 20A90 AC-3750	
ED741905	Diode 20A90 AC-3750	
ED249377	LED GL-3AR1	
ED283138	LED GL-3PG1	
ED511907	Silicon Diode 1N4002	
ED741955	Zener Diode RD24E (K) AC-3750	
ED308951	Zener Diode WZ-120	
EE741899	Front End Comp. AC-3750	
EF601964	⚠ Fuse (SEMKO T type) 1.6AT	
EF602583	⚠ Fuse (SEMKO) 1A 250V	
EF741952	⚠ Fuse-5S-S AC-3750	
EF666235	⚠ Fuse (SEMKO) 3.15A	
EI307198	IC LA1231	
EI307200	IC UPC1161C	
EI741974	IC HA11122W AC-3750	
EI741973	IC HA1406 AC-3750	
EI741889	IC NE646B AC-3750	
EI741900	IC UPC1018C AC-3750	
EL742107	Lamp (Cord type) AC-3750	

Parts No.	Description	Note
EL742207	Lamp (Lead type) AC-3750	
EM742206	IND Meter AC-3750	
EM742205	Level Meter AC-3750	
EM742210	Level Meter AC-3750-BL	
EM742211	Meter-IND AC-3750-BL	
ES741875	⚠ Push SW. AC-3750 (C)	CSA
ES741996	⚠ Push SW. (U)	U/T
ES742001	⚠ Push SW. AC-3750 (E, S, B)	CEE, SAA, UK
ES742110	Leaf SW. AC-3750	
ES742111	Leaf SW. AC-3750	
ES742112	Leaf SW. AC-3750	
ES741967	Push SW. AC-3750	
ES741969	Push SW. AC-3750	
ET308980	Transistor 2SC1815 (GR)	
ET308980	Transistor 2SC1815 (GR)	
ET308980	Transistor 2SC1815 (GR)	
ET308980	Transistor 2SC1815 (GR)	
ET741903	Transistor 2SA1015 (GR) AC-3750	
ET741903	Transistor 2SA1015 (GR) AC-3750	
ET741903	Transistor 2SA1015 (GR) AC-3750	
ET741987	Transistor 2SA702NP (F) AC-3750	
ET741942	Transistor 2SA817A (O) AC-3750	
ET741943	Transistor 2SA817A (Y) AC-3750	
ET741886	Transistor 2SA970 (BL) AC-3750	
ET741938	Transistor 2SB686 (O. LB) AC-3750	
ET741938	Transistor 2SB686 (O. LB) AC-3750	
ET741958	Transistor 2SC1384 (R) AC-3750	
ET741945	Transistor 2SC1432 AC-3750	
ET741940	Transistor 2SC1627A (O) AC-3750	
ET741941	Transistor 2SC1627A (Y) AC-3750	
ET741902	Transistor 2SC1815 (BL) AC-3750	
ET741902	Transistor 2SC1815 (BL) AC-3750	
ET741902	Transistor 2SC1815 (BL) AC-3750	
ET741902	Transistor 2SC1815 (BL) AC-3750	
ET741944	Transistor 2SC2229 (Y) AC-3750	
ET741901	Transistor 2SC380 (O) AC-3750	
ET741988	Transistor 2SC693NP (F) AC-3750	
ET741887	Transistor 2SC732TM (BL) AC-3750	
ET741953	Transistor 2SD325 (E) AC-3750	
ET741936	Transistor 2SD716 (O. LB) AC-3750	
ET741937	Transistor 2SD716 (R. LB) AC-3750	
EZ742142	Sensor DM101A AC-3750	
HE742068	ERASE HEAD AC-3750	
HP742069	REC/PB HEAD AC-3750	
MB742008	Belt AC-3750	
MB742095	Belt (Q) DN-03A AC-3750	
MB742094	Belt (Q) AC-3750	
MB742122	Belt (Q) AC-3750	
MB702552	Capstan Belt AC-3400	
MC742121	Counter AC-3750	
MC703013	Counter AC-3750-BL	

2. ILLUSTRATION OF MECHA BLOCK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2. MECHA BLOCK

Ref. No.	Parts No.	Description	Schematic No.
2-1	ZW-270123	'E' Ring 4M	6-1-9
2-2	ZW719144	Washer 51×100×3N AP-003	2079166700
2-3	ZG742051	Pull Spring AC-3750	2277192000
2-4	ZG742052	Pull Spring AC-3750	2277192100
2-5	MV368886	Steel Ball D3	
2-6	ML742053	Reel Bracket AC-3750	2574366900
2-7	BR702544	Take-up Reel Assy AC-3750	2575178800
2-8	MT742055	Cap AC-3750	2576463900
2-9	BR702545	Supply Reel Assy AC-3750	2575178700
2-10	ZW305546	Washer D2.1×4×0.25t (Polyslider)	
2-11	ZW356657	'E' Ring 1.5M	6-1-9
2-12	ZG702546	Clamp Spring AC-3750	2277662100
2-13	BL742058	FF Arm Assy AC-3750	2574290000
2-14	BZ742059	REW Assy AC-3750	2575175200
2-15	ZG742060	Pull Spring AC-3750	2277191900
2-16	ZG742061	Pull Spring AC-3750	2277192500
2-17	ZS742062	Graduated Screw AC-3750	2270147200
2-18	ZS300425	Screw, Pan Head 3×6 w/s. washer	
2-19	ZG742063	Torsion Spring AC-3750	2277551100
2-20	ZG742064	Torsion Spring AC-3750	2277550700
2-21	ZW410051	'E' Ring 2.5	6-1-9
2-22	ZG702547	Pull Spring AC-3750	2277661800
2-23	ZW301359	Washer D3×6×0.5t	
2-24	ZG742066	Pull Spring AC-3750	2277193400
2-25	BL742071	Pinch Roller Arm Assy AC-3750	2574288800
2-26	ZG742067	Pull Spring AC-3750	2277193300
2-27	HE742068	ERASE HEAD AC-3750	2221816600
2-28	HP742069	REC/PB Head AC-3750	2221727600
2-29	ZS608106	Screw, pan head 2×6	
2-30x	ZW273723	Spring Washer M2	
2-31	ZS742070	Screw, flat fillister 2×8	2079568100
2-32	ZG742072	Push Spring AC-3750	2070365000
2-33	ZW377414	Washer (SUP) D2.1×7×0.5t	
2-34	ZW270134	'E' Ring 5M	6-1-9
2-35	ZW402287	Washer (SPC) D3.1×8×0.5t	
2-36	BL742073	Take-up Arm Assy AC-3750	2574289800
2-37	ZW270101	'E' Ring 3M	5-1-9
2-38	ZW377425	Push Nut CS 2.0	
2-39	ZG742074	Pull Spring AC-3750	2277192700
2-40	MR742075	Guide Roller AC-3750	2575169500
2-41	ZW742076	Washer D2.1×4×0.25t AC-3750	2275285200
2-42	ZG742077	Pull Spring AC-3750	2277194800
2-43	ZG742078	Torsion Spring DN-07A-1 AC-3750	2277551700
2-44	ZG702548	Pull Spring AC-3750	2277661100
2-45	MZ742080	Brake Stopper AC-3750	2274054100
2-46	ZG742081	Torsion Spring AC-3750	2277551200
2-47	ML742082	Pause Arm AC-3750	2574289300
2-48	MZ742083	Pause Clutch AC-3750	2075466600
2-49	ZG742084	Torsion Spring AC-3750	2277551000
2-50	ZG742085	Pull Spring AC-3750	2277192300
2-51	ML742086	REC Arm AC-3750	2574289500
2-52	ZG702549	Pull Spring AC-3750	2277662000
2-53	ZG702550	Pull Spring AC-3750	2277661900
2-54	MV742089	Metal Case AC-3750	2572562700
2-55	ZS555726	Screw, binding head 2.6×6	
2-56	BF742090	Flywheel AC-3750	2575175000
2-57	ZW742092	Washer D2.4×7×0.5t AC-3750	2275299100
2-58	MB702552	Capstan Belt AC-3750	2575571000
2-59	MB742094	Belt (Q) AC-3750	2575568200
2-60	MB742095	Belt (Q) DN-03A AC-3750	2575566600
2-61	ZG742096	Torsion Spring AC-3750	2277550800
2-62	ML742097	Cassette Lever AC-3750	2574290400
2-63	TC742098	Sub Chassis AC-3750	2586574300
2-64	ZW742099	Flywheel thrust AC-3750	2576462500
2-65	BM742100	Motor (DC-EG) AC-3750	2212548300
2-66	MR742101	Motor Pulley AC-3750	2575174900
2-67	ZS499454	Set Screw, hexagon socket 2.6×3 (CUP/P.)	
2-68	ZS442585	Screw, binding head 2.6×4	
2-69	ZS323728	Screw, binding head 3×5	
2-70	ZS422076	Screw, pan head 3×5	
2-71	EP742102	Plunger Solenoid AC-3750	2214715600
2-72	ZW742103	Push Nut CS 3.0 AC-3750	7406003039
2-73	ZG742104	Pull Spring AC-3750	2277192400
2-74	ML742105	Cassette Plate AC-3750	2573188400
2-75	SZ742106	PL Lens AC-3750	2582861500
2-76	EL742107	Lamp (Cord type) AC-3750	2211340700
2-77	ZS355511	Screw, binding head 3×6 (Black)	
2-78	SK742108	Push Button AC-3750	2582672700
2-79	SK742109	Push Button AC-3750	2582672800
2-80x	SB702558	Push Button (S) AC-3750-BL	2582674000
2-81x	SB702559	Push Button (S) AC-3750-BL	2582674300
2-82	ES742110	Leaf SW. AC-3750	2214046300
2-83	ZS300506	S-tight Screw, pan 3×5	
2-84	EC650485	Ceramic/C. DD380A 0.0047μF (J) 50WV	24-5-63
2-85	ES742111	Leaf SW. AC-3750	2214046100
2-86	ZS464703	Screw, binding head 2×4	
2-87	ES742112	Leaf SW. AC-3750	2214046200
2-88	ZG742113	Pull Spring AC-3750	2277199900
2-89	ML742114	Lock Lever AC-3750	2574296700
2-90	ZG742115	Torsion Spring AC-3750	2277552500
2-91	TC742116	Soft-Eject-Mecha Assy AC-3750	2574297600
2-92	ZS304316	Screw, pan head 3×14 W=8	
2-93	ZG742117	Pull Spring AC-3750	2277199600
2-94	ML742118	Eject Lever AC-3750	2574296600
2-95	ZG702555	P Spring AC-3750	2277260800
2-96	ZG742119	Pull Spring AC-3750	2277199700
2-97	ZG742120	Pull Spring AC-3750	2277199800
2-98	MC742121	Counter AC-3750	2587364600
2-99x	MC703013	Counter AC-3750-BL	2587364300
2-100	MB742122	Belt (Q) AC-3750	2575570700
2-101	MZ742123	REC Holder AC-3750	2572188800
2-102	ML742124	REC Lever AC-3750	2574297300
2-103	ZS468887	Screw, binding head 4×20	
2-104	ZW479294	Washer (SUP) D4.2×10×0.8t	
2-105x	ZW311744	M4 Nut, #3	
2-106	BZ742126	Cassette Holder Assy AC-3750	2582279100
2-107	MZ742127	Cassette Guide Assy AC-3750	2573271700
2-108	MZ742128	Cassette Guide AC-3750	2573271800
2-109	ZG742129	Pull Spring AC-3750	2277660100
2-110	ZG742132	Pull Spring AC-3750	2277199500
2-111	TC702557	Mecha Holder AC-3750	2074695600

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

3. EQ P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
3-1	BA741885	EQ P.C Board Comp. AC-3750	FU-408
3-TR301,302	ET741886	Transistor 2SA970(BL) AC-3750	3653364000
3-TR303,304	ET741887	Transistor 2SC732TM(BL) AC-3750	3673314000
3-C301,302	EC496877	Tantalum/C. (DTS type) 1μF(M) 35WV	24-15-8
3-C303,304	EC308987	Elect./C.(LL,Home. type) 47μF 16WV	24-20-18
3-C305,306	EC307250	Elect./C.(LL,Homing type) 1μF 50WV	24-20-18
3-C315	EC313712	Elect./C.(LL,Home. type) 4.7μF 50WV	24-20-18

4. DOLBY P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
4-1	BA741888	Dolby P.C Board Comp. AC-3750	FU-407
4-IC601	EI741889	IC NE646B AC-3750	2211468100
4-2	ER741890	Filter Block Comp. AC-3750	2213720000
4-C606	EC741892	Styrol/C. 5600PF (G) 50WV	2238003300
4-C607	EC741893	Styrol/C. 4700PF (G) 50WV	2238003400
4-C608	EC741894	Styrol/C. 27000PF (G) 100WV	2232109900

5. RADIO P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
5-1	BA741895	Radio P.C Board Comp. AC-3750S (U/T, SAA)	PC-439
5-2	BA741896	Radio P.C Board Comp. AC-3750L (CEE, UK)	PC-439A
5-3	BA741898	Radio P.C Board Comp. AC-3750S (CSA)	PC-439B
5-4	EE741899	Front End Comp. AC-3750	2213121600
5-IC201	EI307198	IC LA1231	45-8-267
5-IC202	EI307200	IC UPC1161C	45-8-269
5-IC203	EI741900	IC UPC1018C AC-3750	2211470100
5-TR201	ET741901	Transistor 2SC380(O) AC-3750	3670804000
5-TR202	ET308980	Transistor 2SC1815(GR)	45-1-299
5-TR203	ET741903	Transistor 2SA1015(GR) AC-3750	3653406000
5-TR204,205	ET741902	Transistor 2SC1815(BL) AC-3750	3631748000
5-D201,202	ED741904	Diode 1S1555V AC-3750	3724670300
5-D203to205	ED741905	Diode 20A90 AC-3750	2211520100
5-D206	ED741906	Diode RD13E-B1 AC-3750	2211548600
5-L101	EO741915	ANT Coil Assy AC-3750S	2224272700
5-L101	EO741930	ANT Coil Assy AC-3750L	2224273300
5-L102	EO741916	SW ANT Coil AC-3750S	2228218400
5-L102	EO741931	SW ANT Coil AC-3750L	2228218600
5-L103	EO741917	MW OSC Coil AC-3750S	2224533600
5-L103	EO741932	LW OSC Coil AC-3750L	2220505600
5-L104	EO741918	SW OSC Coil AC-3750S	2228528100
5-L104	EO741917	MW OSC Coil AC-3750S	2224533600
5-L105	EO741919	SW OSC Coil AC-3750S	2228529000
5-L105	EO741933	SW OSC Coil AC-3750L	2228528100
5-L201	EO741910	FM Choke Coil AC-3750	2224104100
5-L202	EO741909	AF Choke Coil AC-3750	2221122900
5-IT201	BT741912	FM-IFT-D AC-3750	2226633600
5-IT202	BT741911	FM-IFT-D AC-3750	2226633500
5-IT203	BT741920	AM-IFT-M-CE AC-3750	2226633700
5-IT204	BT741921	AM-IFT-M AC-3750	2226477300
5-CF201to203	ER-741913	Ceramic Filter AC-3750	2215302000
5-LCR201,202	EO741914	MPX Coil AC-3750	2223222800
5-TC101to106	EC741922	Trimmer/C. BPF AC-3750	2230910400
5-SVR201	EV741907	Semi-fixed/Vol. 4.7K AC-3750	2265844400
5-SVR202	EV741908	Semi-fixed/Vol. 200K AC-3750	2265847000
5-SVR203	EV306989	Semi-fixed/Vol. D8 Axial type 1 kB	36-10-273
5-S1	ES741928	Rotary SW. AC-3750	2214054300
5-R266	ER310844	Metal Oxide Film/R. (Homing type) 3W 150 ohms (J)	35-11-23
5-R277	ER539087	Metal Oxide Film/R. 1W 2.2K (K)	35-15-10
5-R364	ER309419	Metal Oxide Film/R. 1W 1K (J)	35-15-17
5-C110	EC741923	Styrol/C. 2400PF (G) 50WV	223912420P
5-C111	EC304864	Styrol/C. (Vert. type) 10000PF (J) 50WV	24-11-3
5-C224	EC309890	NP/C. (Vert. type) 1μF (M) 50WV	24-17-26
5-C225	EC741927	NP/C. (Vert. type) 2.5μF (K) 50WV	2244013900
5-C226	EC309890	NP/C. (Vert. type) 1μF (M) 50WV	24-17-26
5-C227	EC405898	Styrol/C. (Vert. type) 470PF (J) 50WV	24-11-3

6. POWER SUPPLY P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
6-1	BA741934	Power Supply P.C Board Comp. AC-3750 (U, E) (U/T, CEE)	PC-440
6-2	BA741935	Power Supply P.C Board Comp. AC-3750(C) (CSA, UK, SAA)	PC-440A
6-TR001	ET741953	Transistor 2SD325(E) AC-3750	2211447800
6-TR501to504	ET741903	Transistor 2SA1015(GR) AC-3750	3653406000
6-TR505,506	ET741944	Transistor 2SC2229(Y) AC-3750	3632494000
6-TR507,508	ET741945	Transistor 2SC1432 AC-3750	2211443400
6-TR509,510	ET741940	Transistor 2SC1627A(O) AC-3750	3631446000
6-TR509,510	ET741941	Transistor 2SC1627A(Y) AC-3750	3631447000
6-TR511,512	ET741942	Transistor 2SA817A(O) AC-3750	3653116000
6-TR511,512	ET741943	Transistor 2SA817A(Y) AC-3750	3653117000
6-TR513,514	ET741936	Transistor 2SD716(O.LB) AC-3750	3684565100
6-TR513,514	ET741937	Transistor 2SD716(R.LB) AC-3750	3684562600
6-TR515,516	ET741938	Transistor 2SB686(O.LB) AC-3750	3662515100
6-TR515,516	ET741939	Transistor 2SB686(R.LB) AC-3750	3662512600
6-TR701	ET741958	Transistor 2SC1384(R) AC-3750	2211437500
6-TR702	ET308980	Transistor 2SC1815(GR)	45-1-299
6-D001to004	ED741954	Diode S3V20-X AC-3750	2211549600
6-D005,006	ED740049	Diode W02 AP-007	2211525100
6-D007	ED741955	Zener Diode RD24E(K) AC-3750	2211528000
6-L501,502	EO741947	AF Choke Coil AC-3750	2221122800
6-L701,702	EO741959	AF Choke Coil AC-3750	2221124100
6-L703	EO741960	AF OSC Coil AC-3750	2221510100
6-SVR501	EV305635	Semi-fixed/Vol. D8 Axial type 5 kB	36-10-273
6-SVR701,702	EV741908	Semi-fixed/Vol. 200K AC-3750	2265847000
6-F001,002	EF741952	⚠ Fuse-5S-S AC-3750	2214426400
6-F003,004	EF602583	⚠ Fuse (SEMKO) 1A 250V	39-1-54
6-F501,502	EF666235	⚠ Fuse (SEMKO) 3.15A	39-1-54
6-F006	EF601964	⚠ Fuse (SEMKO T type) 1.6AT	39-1-53
6-R001	ER741956	Fuse/R. 1W 10 ohms (J)	2250016200
6-R002	ER309419	Metal Oxide Film/R. 1W 1K (J)	35-15-17
6-R521,522	ER308898	Fuse/R. 1/4W 100 ohms(J)	35-14-23
6-R523,524	ER741950	Fuse/R. 1/4W 220 ohms(J)	2250023200
6-R525,526	ER741948	Cement/R. 2W 0.47 ohms (J)	2213502700
6-R529,530	ER624745	Metal Oxide Film/R. 2W 10 ohms (J)	35-15-18
6-R531,532	ER658124	Metal Oxide Film/R. 1W 10 ohms (J)	35-15-17
6-R535,536	ER741949	Fuse/R. 1/4W 56 ohms(J)	2250020000
6-C005,006	EC306959	Elect./C. (Vert. type) 6800μF 35WV	24-10-127
6-C503,504	EC741951	NP/C. (Vert. type) 0.22μF (K) 50WV	2240307300
6-C505,506	EC593458	NP/C. (Vert. type) 47μF 10WV	24-17-26
6-C704	EC741961	Styrol/C. 12000PF (J) 100WV	2232112500
6-C705	EC741962	Styrol/C. 1000PF (J) 100WV	2232107200
6-3	ZS472274	Tapping Screw #2 3x6 (Bind)	

Symbol No.	Parts No.	Description	Schematic No.
6-4	ZS308895	S-tight Screw, 3x8 (Pan)	
6-5	ZS300506	S-tight Screw, pan 3x5	
6-6	EW741957	⚠ Plug-5P-Cord AC-3750	5205011700
6-7	EW742013	⚠ Plug-4P-Cord AC-3750	5104011800
6-C015	EC741870	⚠ Metallized Mylar/C. 0.47μF (M) 1000 WV	2237013900
6-C015	EC308528	⚠ Oil Paper/C. ECN-C4A 0.047μF (M) 450WV	24-8-6
6-C015	EC741871	⚠ Polypropylene/C. 0.1μF (M) 125WV	2232117900
6-J8	EJ741873	3P Terminal Pin AC-3750	2216152500

7. PL P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
7-PL001	EL741964	Lamp (Lead type) AC-3750	2211341900

8. JACK P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
8-J6	EJ741966	Headphone Jack 6.5-ST	2216371900
8-S5,6	ES741967	Push SW. AC-3750	2214054000
8-R527,528	ER265015	Metal Oxide Film/R. 2W 180 ohms (J)	35-15-18

9. SW. P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
9-S2to4	ES741969	Push SW. AC-3750	2214054100
9-TR305,306	ET741902	Transistor 2SC1815(BL) AC-3750	3631748000
9-D301,302	ED741904	Diode 1S1555V AC-3750	3724670300

10. AF P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
10-1	BA741970	AF P.C Board Comp. AC-3750	PC-444
10-IC601,602	EI741973	IC HA1406 AC-3750	2211468300
10-IC603	EI741974	IC HA11122W AC-3750	2211468400
10-TR401,402	ET741987	Transistor 2SA702NP(F) AC-3750	2211453400
10-TR403,404	ET741988	Transistor 2SC693NP(F) AC-3750	2211469800
10-TR405,406	ET741902	Transistor 2SC1815(BL) AC-3750	3631748000
10-TR407	ET741903	Transistor 2SA1015(GR) AC-3750	3653406000
10-TR601,602	ET741902	Transistor 2SC1815(BL) AC-3750	3631748000
10-TR603 to 607	ET308980	Transistor 2SC1815(GR)	45-1-299
10-D401	ED742019	Diode D-5277B AC-3750	3797838000
10-D402,403	ED741904	Diode 1S1555V AC-3750	3724670300
10-D601to604	ED741905	Diode 20A90 AC-3750	2211520100
10-D605	ED308951	Zener Diode WZ-120	45-6-67
10-D606to609	ED741904	Diode 1S1555V AC-3750	3724670300
10-L601,602	EO741959	AF Choke Coil AC-3750	2221124100
10-SVR601 to 604	EV305639	Semi-fixed/Vol. D8 Axial type 20 kB	36-10-273
10-SVR605, 606	EV741979	Semi-fixed/Vol. 100K AC-3750	2265845600
10-SVR607, 608	EV305635	Semi-fixed/Vol. D8 Axial type 5 kB	36-10-273
10-VR401	EV741984	Vol. 16A 200K-W AC-3750	2265520500
10-VR402	EV741985	Vol. 16C 100K-D AC-3750	2262021700
10-VR403	EV741986	Vol. 16C 100K-D AC-3750	2262021600
10-VR601	EV741976	Vol. 16B 50K-W AC-3750	2265520400
10-S10	ES741971	Slide SW. AC-3750	2214054400
10-S11	ES741972	Push SW. AC-3750	2214054600
10-R427,428	ER741989	Metal Oxide Film/R. 1W 2.2K (J)	2257122200
10-R613,614	ER301697	Metal Oxide Film/R. 1W 560 ohms (K)	35-15-17
10-R667	ER741983	Metal Oxide Film/R. 3W 330 ohms (J)	2257045200
10-R668	ER490792	Metal Oxide Film/R. 3W 390 ohms (J)	35-15-9
10-R669	ER741978	Metal Oxide Film/R. 1W 82 ohms (J)	2257182000
10-R679,680	ER741982	Metal Oxide Film/R. 1W 680 ohms (J)	2257034300
10-C601,602	EC405898	Styrol/C. (Vert. type) 470PF (J) 50WV	24-11-3
10-C603,604	EC480071	Elect./C. (Vert. type) 22μF 16WV NL	24-20-4
10-C633,634	EC514012	Styrol/C. (Vert. type) 300PF (J) 50WV	24-11-3
10-C635,636	EC741981	Styrol/C. 360PF (J)	223913610P
10-J9,10	EJ741975	Mic. Jack 6.5-ST	2216372000
10-2	MZ742014	Joint-REC Assy AC-3750	2572765700

11. AUTO P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
11-1	BA742145	Auto P.C Board Comp. AC-3750	PC-356
11-D901	ED742138	Diode KB262 AC-3750	2211519900
11-D902	ED742137	Diode SF1R3B41 AC-3750	2211522300
11-D903,904	ED511907	Silicon Diode 1N4002	45-2-51
11-D905	ED742139	Diode WZ081 AC-3750	2211530000
11-TR901,902	ET308980	Transistor 2SC1815(GR)	45-1-299
11-L901	EO742141	AF Choke Coil AC-3750	2221115300
11-J12	EJ742140	4P Terminal Pin AC-3750	2216749600
11-C906	ER558213	Metal Oxide Film/R. 1W 180 ohms (J)	35-15-10
11-C908	EC331705	Elect./C. (Vert. type) 22μF 16WV	24-12-9
11-R915	ER309419	Metal Oxide Film/R. 1W 1K (J)	35-15-17

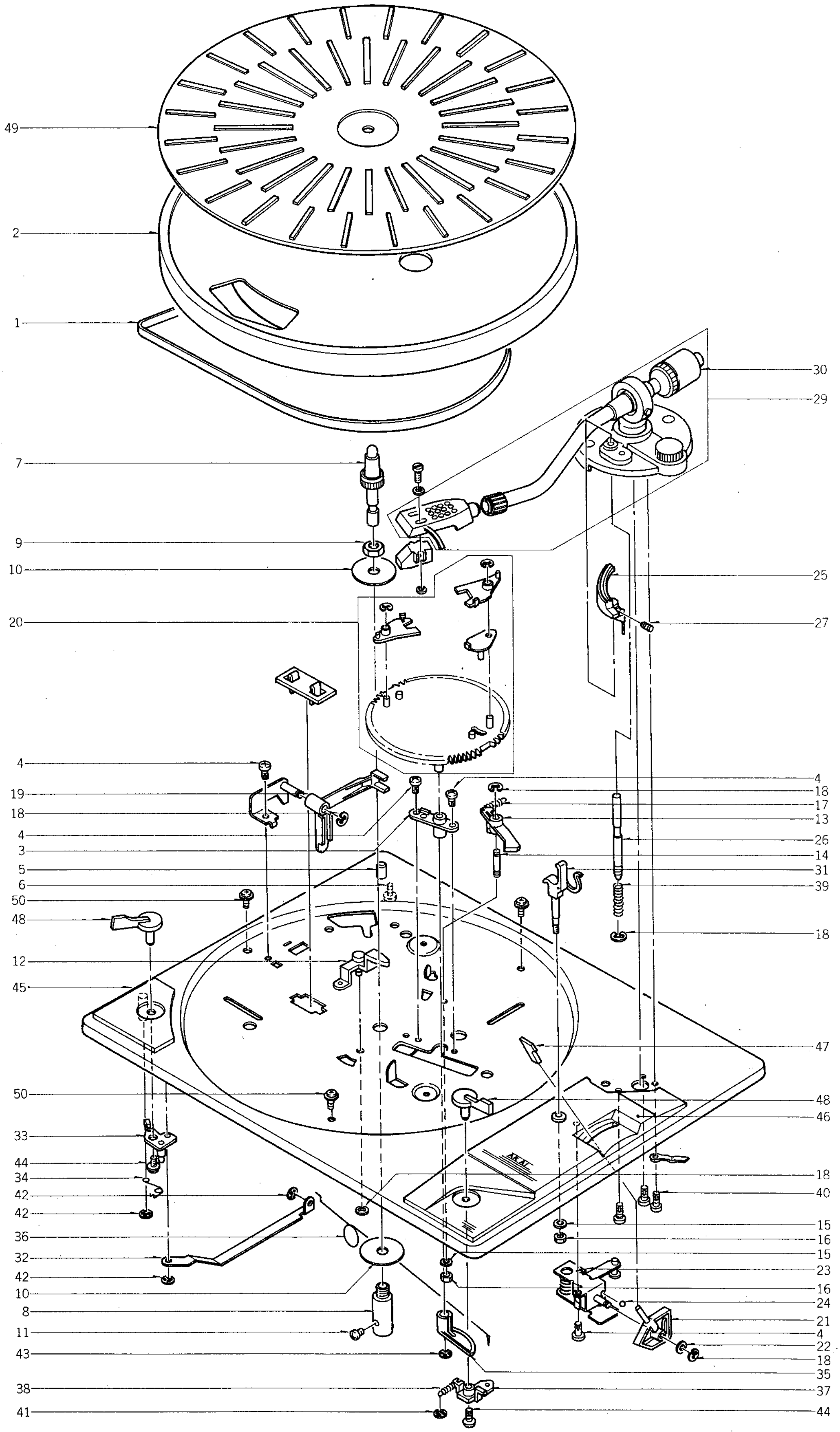
12. SENSER P.C BOARD COMP.

Symbol No.	Parts No.	Description	Schematic No.
12-EL1	EZ742142	Sensor DM101A AC-3750	2211001400

13. PHONO P.C BOARD COMP.

Ref. No.	Parts No.	Description	Schematic No.
13-1	BA742016	P.C Board Comp. AC-3750	PC-120

14. ILLUSTRATION OF TURNTABLE BLOCK (1)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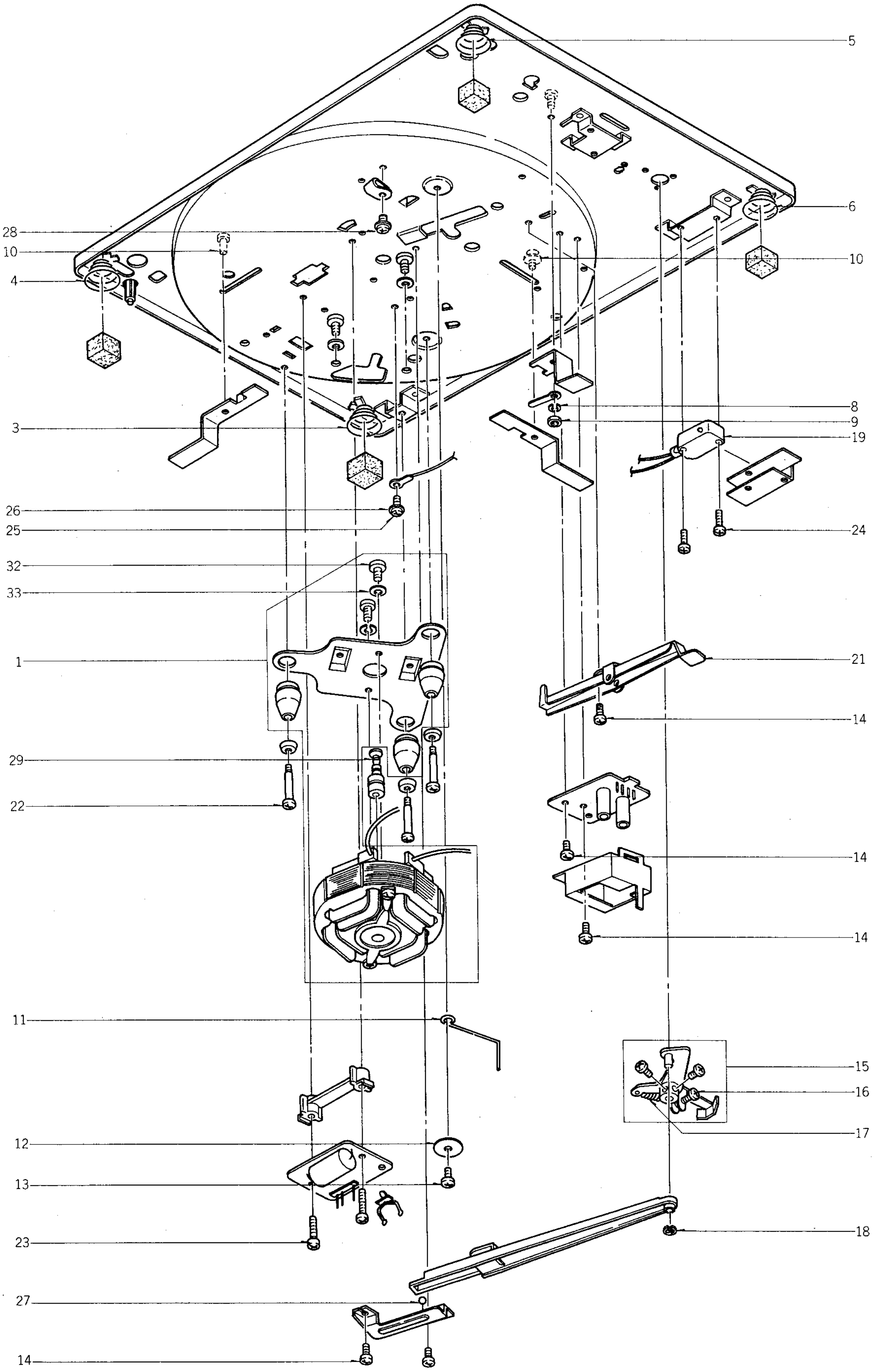
14. TURNTABLE BLOCK (1)

Ref. No.	Parts No.	Description	Schematic No.
14-1	MB742008	Belt AC-3750	2072861100
14-2	TP742009	Platter AC-3750	2072368300
14-3	MV719133	Gear Shaft Holder AP-003	2077376700
14-4	ZS490228	Tapping Screw #2, 3x8 (Bind)	
14-5	TP741857	Adaptor Holder AC-3750	2097164600
14-6	ZS718558	Tapping Screw, 3x8 w/washer, AP-003	2079591600
14-7	TP740409	Table Shaft Part AC-3800	2072568900
14-8	MV715307	Table Shaft Holder AP-005	2072566000
14-9	ZW719043	Special Nut AP-003	2079663100
14-10	ZW719054	Washer 91x340x8ms AP-003	2079193700
14-11	ZS417137	Screw, binding head 3x4	
14-12	BL719256	Reject Lever Block Comp. AP-003	2075175300
14-13	TP719267	Gear Stopper AP-003	2074673700
14-14	MS715555	Stopper Shaft	2076382400
14-15	ZW273745	Spring Washer M3	
14-16	ZW265522	M3 Nut, #2	
14-17	ZG741858	Pull Spring AC-3750	2277661000
14-18	ZW270101	'E' Ring 3M	6-1-9
14-19	TP740404	Belt Guide AC-3800	2274355400
14-20	TP741806	Gear Block Comp. AC-3750	GB-102
14-21	TP740381	Lifter Cam AC-3800	2075768600
14-22	ZW740382	Washer D4.7x10x0.18t	2079166000
14-23	TP740383	Lifter Lever Comp. AC-3800	2075388400
14-24	MV368886	Steel Ball D3	
14-25	TP740377	Lifter Bar Comp. AC-3800	2076471000
14-26	TP740378	Lifter Shaft AC-3800	2076466900
14-27	ZS338602	Set Screw 2.6x2.5	
14-29	TP741866	PU Arm Assy AC-3750	2073188300
14-30	TP740414	Main Weight AC-3800	2073182600
14-31	TP740365	PU Rest Comp. AC-3800	2073865400
14-32	TP741867	Plate-Con-Assy AC-3750	2075462600
14-33	TP740405	Select Plate AC-3800	2075393400
14-34	ZG740406	Torsion Spring AC-3800	2070769200
14-35	TP741877	Return Cam AC-3750	2075774200
14-36	TP740374	Reject Pole AC-3800	2070769100
14-37	TP740373	Reject Plate AC-3800	2075393300
14-38	ZG715814	Pull Coil Spring	2070563400
14-39	ZG719403	Coil Spring, compression AP-003	2070380300
14-40	ZS303225	Tapping Screw #2, 3x10(Bind)	
14-41	ZW377425	Push Nut CS 2.0	
14-42	ZW432944	Push Nut CS 3.0 3x10x0.3t	
14-43	ZW245981	Push Nut CS 4.0	
14-44	ZS740376	Tapping Screw, 2.6x8 w/washer	2270154900
14-45	TP740364	Select Base AC-3800	2074391500
14-46	TP740363	Reject Base AC-3800	2074391600
14-47	SK740380	Lifter Knob AC-3800	2087190700
14-48	SK740375	Knob AC-3800	2087190800
14-49	TP709503	Table Sheet AP-001/C	2072368600
14-50	ZS702677	Screw, pan 5x16 (Red)	2270159600

15. ILLUSTRATION OF TURNTABLE BLOCK (2)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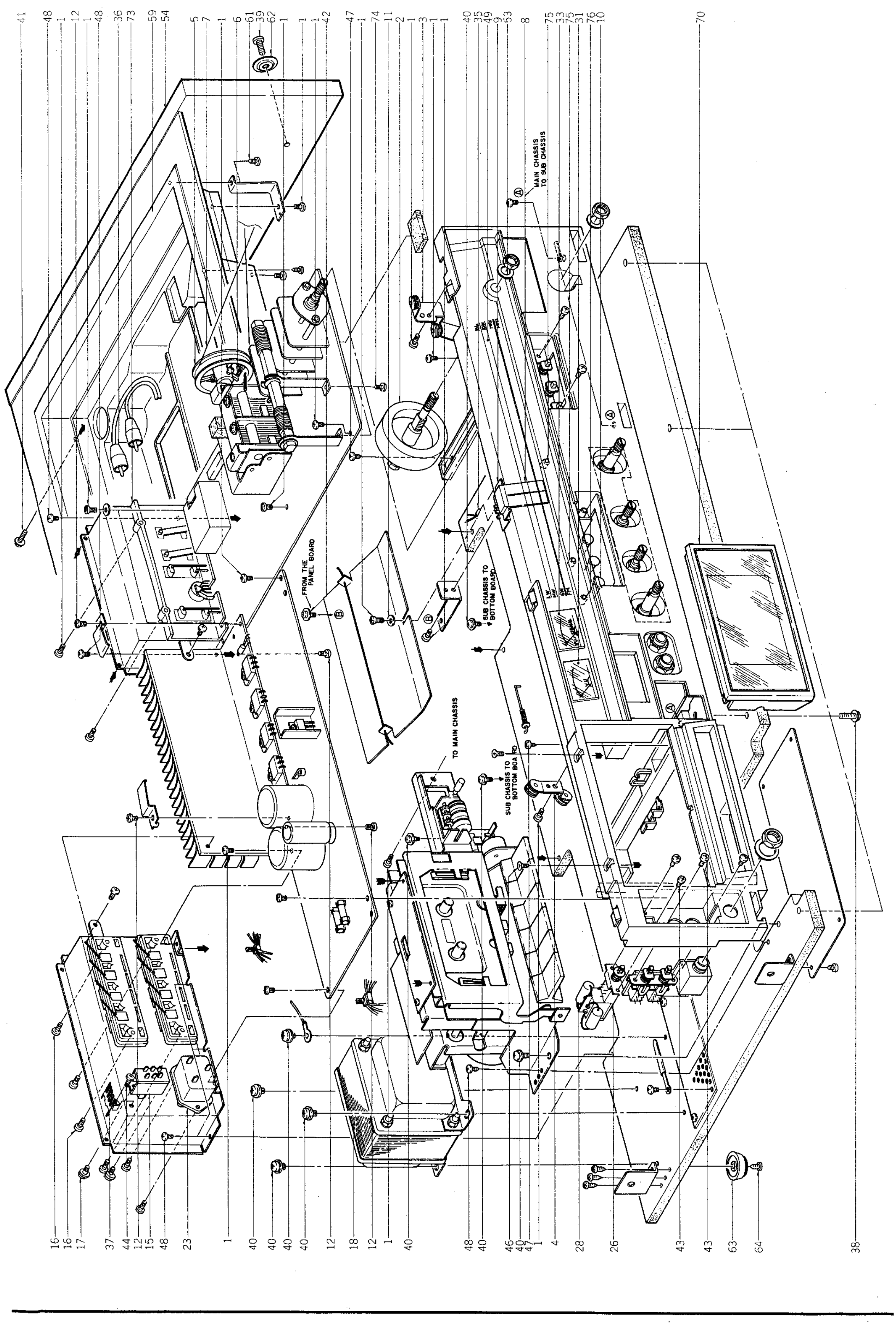
15. TURNTABLE BLOCK (2)

Ref. No.	Parts No.	Description	Schematic No.
15-1	BM742006	Motor Block Comp. AC-3750(U/T,CEE,UK,SAA)	MB-142
15-2x	BM742018	Motor Block Comp. AC-3750(CSA)	MB-148
15-3	ZG740359	Panel Spring(A) Black AC-3800	2070372900
15-4	ZG740360	Panel Spring(B) Red AC-3800	2070373000
15-5	ZG740361	Panel Spring(C) Green AC-3800	2070373100
15-6	ZG740362	Panel Spring(D) Blue AC-3800	2070373200
15-7	ZS421806	Screw, pan head 3x8	
15-8	ZW273745	Spring Washer M3	
15-9	ZW265522	M3 Nut, #2	
15-10	ZS608332	Screw, pan head 3x8, w/washer	
15-11	TP740369	Return Lever AC-3800	2076468200
15-12	ZW740370	Special Washer AC-3800	2275285800
15-13	ZS558145	Tapping Screw #2, 2.6x10	
15-14	ZS490228	Tapping Screw #2, 3x8 (Bind)	
15-15	TP741861	PU Plate Block Comp. AC-3750	PP-102
15-16	ZG740379	Clamp Spring AC-3800	2070375400
15-17	ZG715465	Pull Coil Spring	2070569200
15-18	ZW270088	'E' Ring 1.9M	6-1-9
15-19	ES709817	Micro SW. VV5-1A442-D (SAA) 5A 250V (BSI)	2214035100
15-20x	ES718648	Micro SW. K-2 AP-003	2214633500
15-21	BL719370	Seesaw Lever Block Comp. AP-003	2075388800
15-22	TP740403	Shaft AC-3800	2076468600
15-23	ZS711887	Tapping Screw #2 3x20 (BR)	2079591700
15-24	ZS265825	Tapping Screw #2 3x18 Oval Countersunk Head	
15-25	ZS306021	S-tight Screw, 3x6 (Pan)	
15-26	ZW556828	Washer D3.2x10x0.5t	
15-27	MV741878	Steel Ball 5/32 AC-3750	7409039720
15-28	ZS712091	Tapping Screw #2, 3x8 (BR) w/washer	2079591600
15-29	MR741882	Motor Pulley (50Hz) PU-251-TEZ AC-3750	2071677200
15-30x	MR741883	Motor Pulley (60Hz) PU251A-TO AC-3750	2071677300
15-31x	MR742010	Motor Pulley (60Hz) AC-3750	2071677400
15-32	ZS305719	S-right Screw, 4x8 (Bind)	
15-33	ZW237857	Washer D4.1x10x1t	

16. ILLUSTRATION OF ASSEMBLY BLOCK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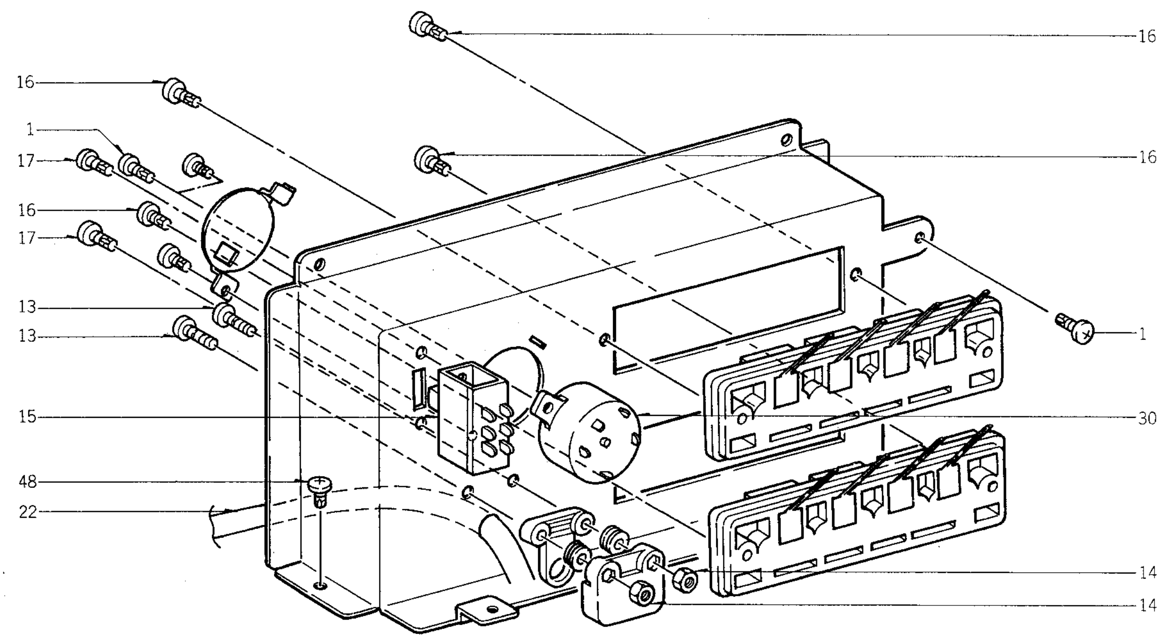
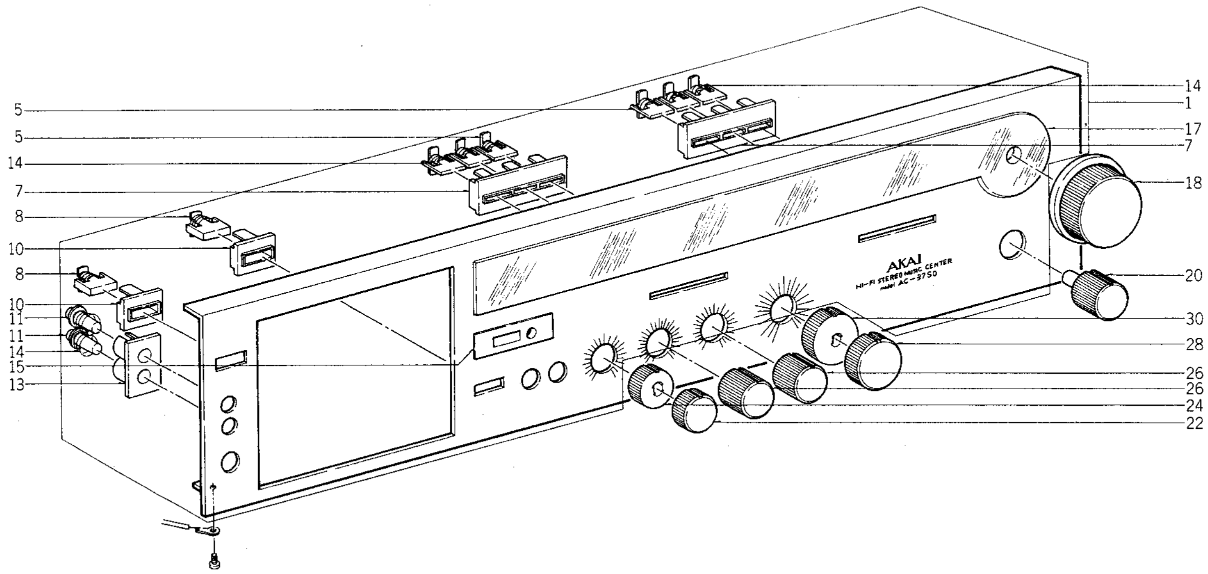


16. ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.
16-1	ZS490228	Tapping Screw #2, 3×8 (Bind)	
16-2	MS742190	Tuning Shaft AC-3750	2004271400
16-3	MR742191	Pulley Stay AC-3750	2074695300
16-4	MR742192	Pulley Stay AC-3750	2074695200
16-5	TA742193	Drum AC-3750	2004271500
16-6	ZG742194	Pull Spring AC-3750	2277161800
16-7	TA742195	Dial String Assy AC-3750	2274960400
16-8	TA742038	Pointer AC-3750	2004271800
16-9	TA742197	Slider AC-3750	2004271700
16-10	MZ742198	Joint AC-3750	2075471900
16-11	ZW402287	Washer (SPC) D3.1×8×0.5t	
16-12	ZS472274	Tapping Screw #2, 3×6 (Bind)	
16-13	ZS419861	Screw, binding head 3×16	
16-14	ZW265522	M3 Nut, #2	
16-15	ES742203	Slide SW. AC-3750	2214054500
16-16	ZS303225	Tapping Screw #2, 3×10(Bind)	
16-17	ZS742039	Screw, pan head 2.6×5 w/s. washer	2079570300
16-18	BT741994	⚠ Power Trans. AC-3750(U/T)	2222348400
16-19x	BT741999	⚠ Power Trans. AC-3750(CEE)	2222348600
16-20x	BT742015	⚠ Power Trans. AC-3750(CSA)	2222349600
16-21x	BT742003	⚠ Power Trans. AC-3750 (SAA, UK)	2222349400
16-22	EJ741995	⚠ Plug AC-3750(U/T, CSA)	2217617400
16-23	EJ742000	⚠ 3P Outlet AC-3750(CEE)	2216748900
16-24x	EJ742004	⚠ Plug AC-3750(SAA)	2217657000
16-25x	ES741996	⚠ Push SW. (U/T)	2214055500
16-26	ES742001	⚠ Push SW. AC-3750 (CEE, SAA, UK)	2214055600
16-27x	ES741875	⚠ Push SW. AC-3750(CSA)	2214053500
16-28	EC741997	⚠ Oil/C. 0.0047μF(P) 125WV	2230302600
16-29x	EC742002	⚠ Ceramic/C. 0.0047μF(P) 125WV	2234009600
16-30	ES741998	⚠ Slide SW. AC-3750 (U/T)	2214054200
16-31	EM742205	Level Meter AC-3750	2210446900
16-32x	EM742210	Level Meter AC-3750-BL	2210448800
16-33	EM742206	IND Meter AC-3750	2210447000
16-34x	EM742211	Meter-IND AC-3750-BL	2210448900
16-35	EL742207	Lamp (Lead type) AC-3750	2211344900
16-36	EW742226	US-1P-Cord AC-3750	2216479200
16-37	EJ742208	5P Terminal. AC-3750	2216237800
16-38	ZS723460	Screw, flange head 4×18 AP-006	2079596800
16-39	ZS552824	Screw, binding head 4×18	
16-40	ZS742034	Screw, bind 4×14 W=10	2270174200
16-41	ZS304316	Screw, pan head 3×14 W=8	
16-42	ZS380046	Screw, pan head 3×10	
16-43	ZW740036	Special Screw 3×8 (w/washer) AP-007	2270158600
16-44	ZS300506	S-right Screw, pan 3×5	
16-45	ZS742033	Tapping Screw #2, 3×12(Bind)	7263301211
16-46	ZS200384	Screw, countersunk head 3×6	
16-47	ZS742209	Wood Screw, round 3.1×13 AC-3750	7421311311
16-48	ZS379293	Wood Screw, round head 3.1×10	
16-49	SZ742222	Dial Plate AC-3750S	2284787200
16-50x	SZ742223	Dial Plate AC-3750L	2284787300
16-51x	SZ742224	Dial Plate AC-3750L(BL)	2284787500
16-52x	SZ742225	Dial Plate AC-3750S(BL)	2284787400
16-53	ZW742227	Washer D10.2×20×1t	2275356500
16-54	BC742147	Cabinet Assy AC-3750	2084795100
16-55x	BC742176	Cabinet Assy AC-3750-BL	2084790500
16-56x	TP742148	Hinge A AC-3750	2086168600
16-57x	TP742149	Plate-Mesh AC-3750	2284398200
16-58x	TP742150	Plate-Mesh AC-3750	2284458200
16-59	SP742151	Panel Board AC-3750	2082675700
16-60x	SP742177	Panel Board AC-3750-BL	2082676300
16-61	ZS369911	Wood Screw, round head 3.1×8	
16-62	TP742152	Cap AC-3750	2088181200
16-63	SA742153	Foot AC-3750	2084262400
16-64	ZS321298	Screw, binding head 3×8	
16-65x	ZS742048	Screw, pan head 3×16 W=8	2079593300
16-66x	ZW273756	Nut M3, #1	
16-67x	BC742154	Dust Cover Assy AC-3750	2084795200
16-68x	TP710998	Hinge (B)	2075378800
16-69x	ZS742155	Screw, oval filister 4×10	7045401015
16-70	BD742133	Cassette Cover Assy AC-3750	2582279000
16-71x	BD742230	Cassette Cover AC-3750-BL	2582279700
16-72x	EJ742040	CPX Terminal AC-3400	2216237900
16-73	EJ741929	Terminal-CPX AC-3750	2216237600
16-74	ZS379405	Screw, binding head 3×6	
16-75	ED249377	LED GL-3AR1	45-15-14
16-76	ED283138	LED GL-3PG1	45-15-15

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

17. ILLUSTRATION OF FINAL ASSEMBLY BLOCK



17. FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.
	AC-3750L/S/BL		
17-1	BD742156	Front Panel Assy AC-3750S	2282356000
17-2x	BD742157	Front Panel Assy AC-3750L	2282356100
17-3x	BD742158	Front Panel Assy AC-3750S-BL	2282356200
17-4x	BD742159	Front Panel Assy AC-3750L-BL	2282356300
17-5	SK742168	Push Button AC-3750	2087465400
17-6x	SK742185	Push Button AC-3750-BL	2087465700
17-7	SE742169	Button Cover AC-3750	2084795400
17-8	SK742170	Push Button AC-3750	2087465300
17-9x	SK742186	Push Button AC-3750-BL	2087465600
17-10	SE742171	Cover-Button AC-3750	2084795500
17-11	SK742172	Push Button AC-3750	2087465500
17-12x	SK742187	Push Button AC-3750-BL	2087465800
17-13	SE742173	Cover-Button AC-3750	2084795600
17-14	ZG742174	Spring AC-3750	2070775800
17-15	SE742175	Counter Cover AC-3750	2084795700
17-16x	SE742188	Counter Cover AC-3750-BL	2085760500
17-17	SZ742160	Dial Cover AC-3750	2084795300
17-18	SK742161	Tuning Knob AC-3750	2087196700
17-19x	SK742178	Tuning Knob AC-3750-BL	2087197800
17-20	SK742162	Selector Knob AC-3750	2087197300
17-21x	SK742179	Selector Knob AC-3750-BL	2087198400
17-22	SK742163	Vol Knob (L) AC-3750	2087197000
17-23x	SK742180	Vol Knob (L) AC-3750-BL	2087198100
17-24	SK742164	Vol Knob (R) AC-3750	2087197100
17-25x	SK742181	Vol Knob (R) AC-3750-BL	2087198200
17-26	SK742165	Vol Knob AC-3750	2087197200
17-27x	SK742182	Vol Knob AC-3750-BL	2087198300
17-28	SK742166	Vol Knob (L) AC-3750	2087196800
17-29x	SK742183	Vol Knob (L) AC-3750-BL	2087197900
17-30	SK742167	Vol Knob (R) AC-3750	2087196900
17-31x	SK742184	Vol Knob (R) AC-3750-BL	2087198000
	AC-3400L/S/BL		
17-32x	BC742047	Cabinet AC-3400	2084797900
17-33x	BC742229	Cabinet (BL) AC-3400	2084798000
17-34x	BD742029	Front Panel Assy AC-3400S (U/T)	2282356400
17-35x	BD742030	Front Panel Assy AC-3400S-BL (U/T)	2282356500
17-36x	BD742031	Front Panel Assy AC-3400L (CEE)	2282356600
17-37x	BD742032	Front Panel Assy AC-3400L-BL (CEE)	2282356700

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

18. LIST OF INTERCHANGEABLE SEMICONDUCTORS

If, while servicing, the original parts cannot be obtained, the interchangeable parts listed below can be substituted.

Original Parts			Interchangeable Parts	
Description	Parts No.	Utilizing P.C Board	Description	Parts No.
2SA702NP (F)	ET741987	PC-444	2SA733 (P) (Q) (R)	ET539122
2SA817 (O)	ET741942	PC-440		
2SA817 (Y)	ET741943	PC-440		
2SA970 (BL)	ET741886	FU-408		
2SA1015 (GR)	ET741903	PC-439, PC-440, PC-444		
2SB686 (O. LB)	ET741938	PC-440		
2SB686 (R. LB)	ET741939	PC-440		
2SC380 (O)	ET741901	PC-439	2SC930 (E) (F)	ET618873
2SC693NP (F)	ET741988	PC-444	2SC900 (H) (F)	ET429748
2SC732TM (BL)	ET741887	FU-408	2SC458LG (B) (C)	ET234843
2SC1384 (R)	ET741958	PC-440	2SC1162 (C) (D)	ET301154
2SC1432	ET741945	PC-440		
2SC1627A (O)	ET741940	PC-440		
2SC1627A (Y)	ET741941	PC-440		
2SC1815 (BL)	ET74190L	PC-439, PC-443, PC-444		
2SC1815 (GR)	ET308980	PC-356, PC-439, PC-440, PC-444		
2SC2229 (Y)	ET741944	PC-440		
2SD325 (E)	ET741953	PC-440	2SD360 (D) (E)	ET517375
2SD716 (O. LB)	ET741936	PC-440		
2SD716 (R. LB)	ET741937	PC-440		
20A90	ED741905	PC-439, PC-444		
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BC742154	16-67	ED742138	11-D901	ES741998	16-30	MV719133	14-3
BC742176	16-55	ED742139	11-D905	ES742001	16-26	MV741878	15-27
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SECTION 3

SCHEMATIC DIAGRAM

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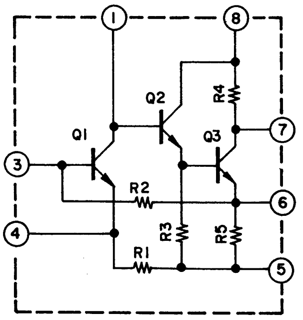
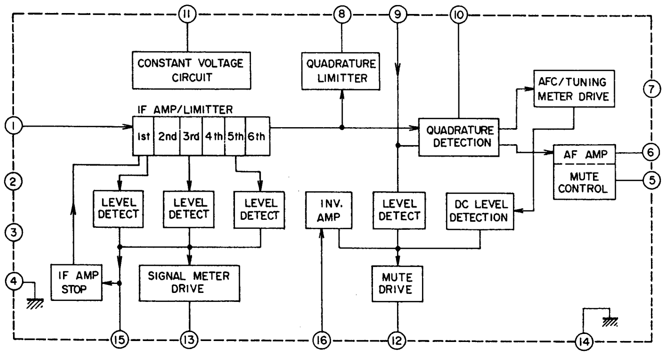
3. AC-3400L/S, 3750L/S NO. 3-3 1562412B SCHEMATIC DIAGRAM

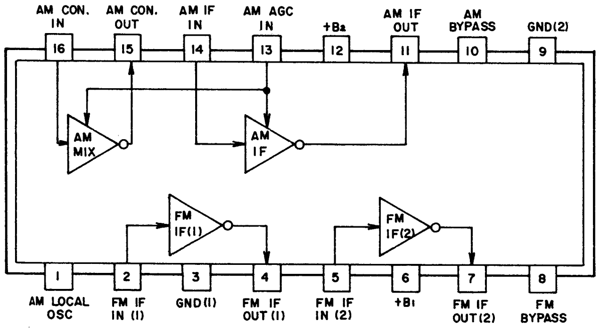
HA1406


1
8
Q2
R4
Q1
Q3
7
3
R2
6
4
R3
R5
R1
5

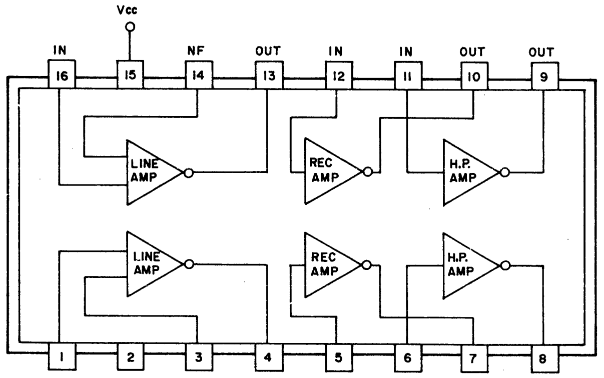
LA1231


11
8
9
10
CONSTANT VOLTAGE CIRCUIT
QUADRATURE LIMITTER
AFC/TUNING METER DRIVE
7
IF AMP/LIMITTER
1st
2nd
3rd
4th
5th
6th
1
QUADRATURE DETECTION
AF AMP
6
MUTE CONTROL
5
2
LEVEL DETECT
LEVEL DETECT
LEVEL DETECT
INV. AMP
LEVEL DETECT
DC LEVEL DETECTION
3
4
IF AMP STOP
SIGNAL METER DRIVE
MUTE DRIVE
15
13
16
12
14

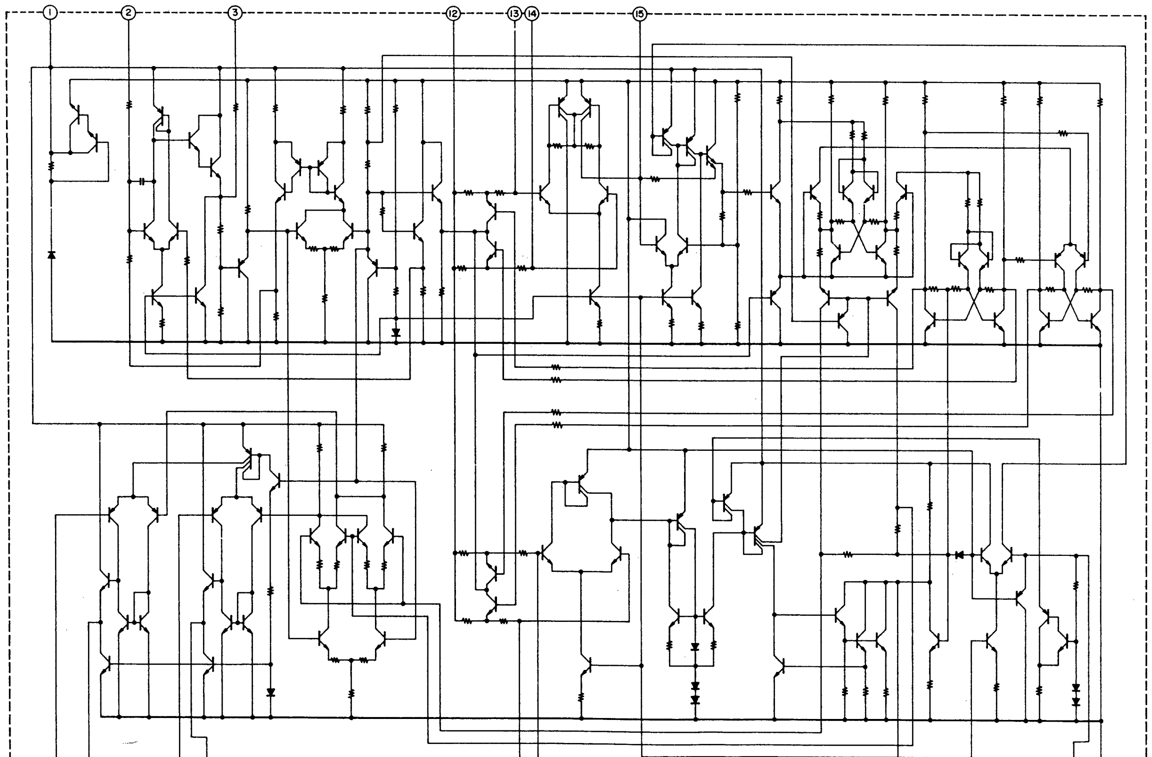
µPC1018C


AM CON. IN
AM CON. OUT
AM IF IN
AM AGC IN
+B2
AM IF OUT
AM BYPASS
GND(2)
16
15
14
13
12
11
10
9
AM MIX
AM IF
FM IF(1)
FM IF(2)
1
2
3
4
5
6
7
8
AM LOCAL OSC
FM IF IN (1)
GND(1)
FM IF OUT (1)
FM IF IN (2)
+B1
FM IF OUT(2)
FM BYPASS

HA1122W


Vcc
IN
NF
OUT
IN
IN
OUT
OUT
16
15
14
13
12
11
10
9
LINE AMP
REC AMP
H.P. AMP
LINE AMP
REC AMP
H.P. AMP
1
2
3
4
5
6
7
8

µPC1161C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11
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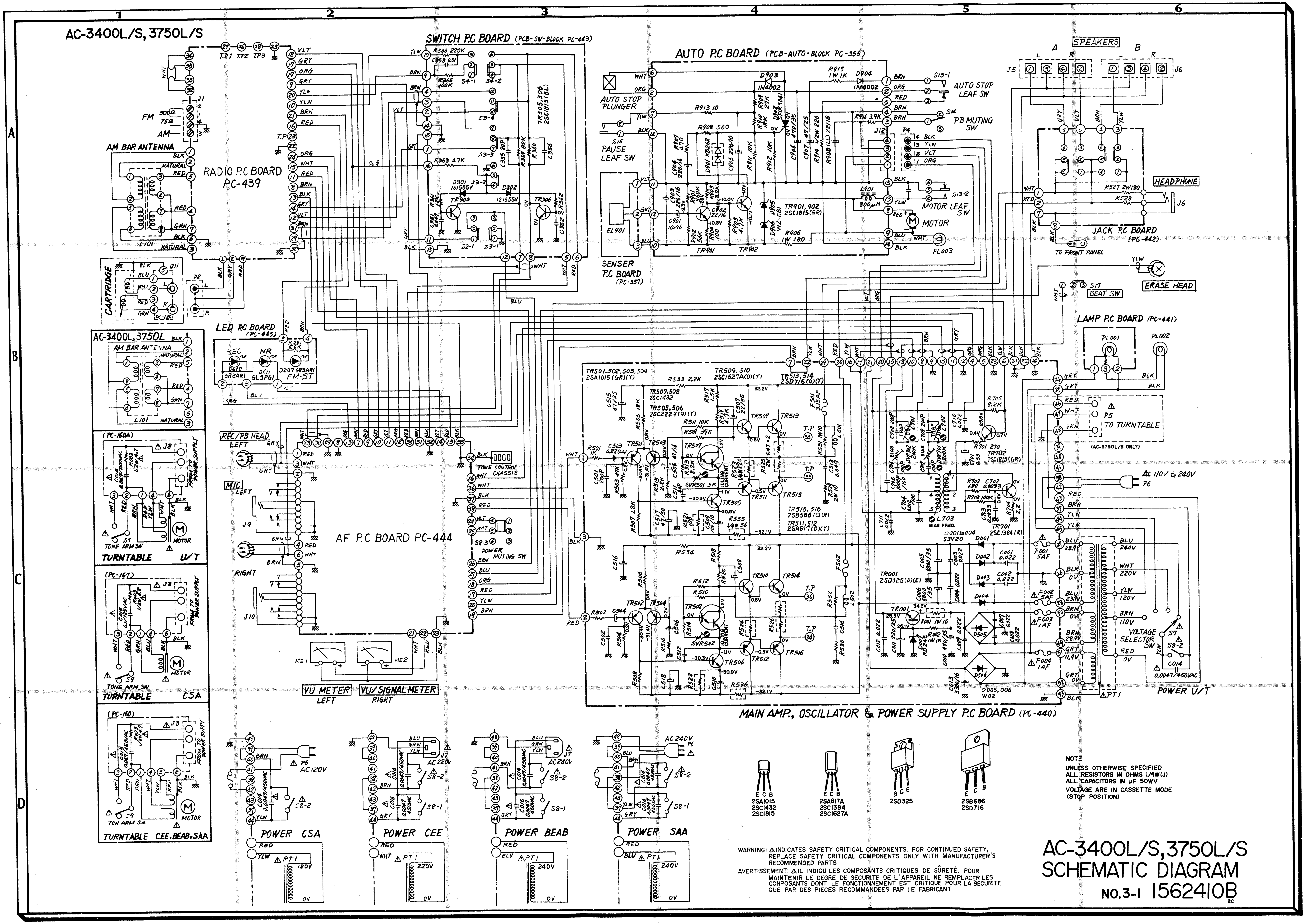
16
8


AC-3400L/S, 3750L/S
SWITCH P.C BOARD (PCB-SW-BLOCK PC-443)
AUTO P.C BOARD (PCB-AUTO-BLOCK PC-356)
SPEAKERS
RADIO P.C BOARD PC-439
AM BAR ANTENNA
FM
AM
CARTRIDGE
AC-3400L, 3750L
LED P.C BOARD (PC-445)
REC/PB HEAD
MIC
AF P.C BOARD PC-444
VU METER LEFT
VU/SIGNAL METER RIGHT
AUTO STOP PLUNGER
PAUSE LEAF SW
SENSER P.C BOARD (PC-357)
AUTO STOP LEAF SW
PB MUTING SW
MOTOR LEAF SW
MOTOR
HEADPHONE
JACK P.C BOARD (PC-442)
TO FRONT PANEL
ERASE HEAD
BEAT SW
LAMP P.C BOARD (PC-441)
TO TURNTABLE
110V to 240V
VOLTAGE SELECTOR SW
POWER U/T
MAIN AMP., OSCILLATOR & POWER SUPPLY P.C BOARD (PC-440)
TURNTABLE U/T
TURNTABLE CSA
TURNTABLE CEE, BEAB, SAA
POWER CSA
POWER CEE
POWER BEAB
POWER SAA
E C B
2SA1015
2SC1432
2SC1815
E C B
2SA817A
2SC1384
2SC1627A
B C E
2SD325
E C B
2SB686
2SD716

NOTE

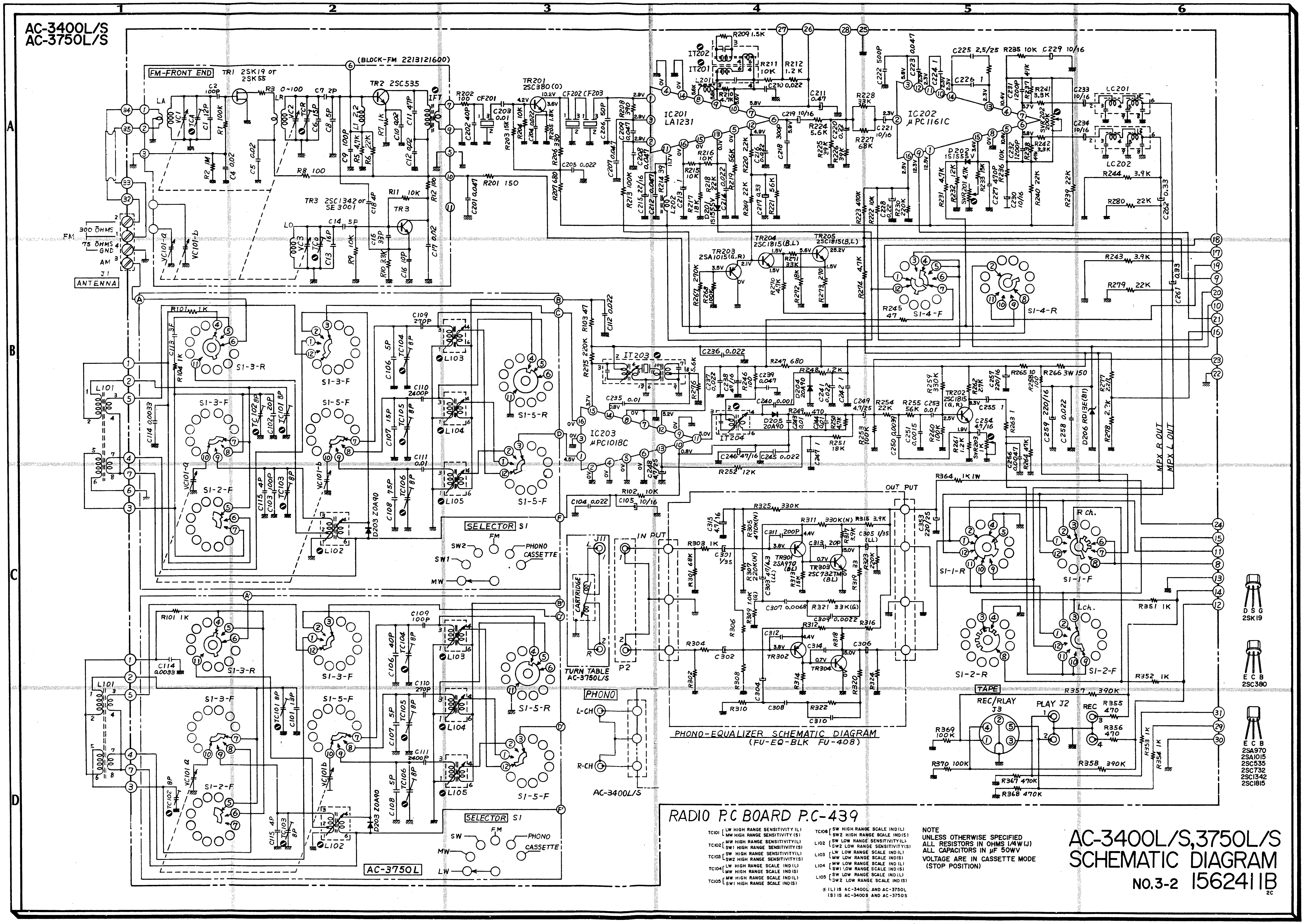
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 50WV
VOLTAGE ARE IN CASSETTE MODE
(STOP POSITION)

WARNING: ⚠INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES CONPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

AC-3400L/S,3750L/S
SCHEMATIC DIAGRAM

NO.3-1 1562410B
2C


AC-3400L/S
AC-3750L/S
FM-FRONT END
(BLOCK-FM 2213121600)
TR1 2SK19 or 2SK55
TR2 2SC535
TR3 2SC1342 or SE3001
TR201 2SC380(O)
IC201 LA1231
IC202 μPC1161C
IC203 μPC1018C
TR202 2SC1815 (G,R)
TR203 2SA1015(G,R)
TR204 2SC1815(B,L)
TR205 2SC1815(B,L)
IT201
IT202
IT203
IT204
LC201
LC202
CF201
CF202 (CF203
IFT
D201
D202 1S1555
D203 ZO A90
D204 ZO A90
D205 ZO A90
D206 RD13E(B1)
300 ŌHMS
FM
75 ŌHMS
GND
AM
J1
ANTENNA
VC101-a
VC101-b
L101
L102
L103
L104
L105
S1-1-R
S1-1-F
S1-2-R
S1-2-F
S1-3-R
S1-3-F
S1-4-R
S1-4-F
S1-5-R
S1-5-F
SELECTOR S1
SW1
SW2
SW
FM
MW
LW
PHONO
CASSETTE
AC-3750L
MPX R OUT
MPX L OUT
OUT PUT
IN PUT
J11
CARTRIDGE
TURN TABLE AC-3750L/S
P2
PHONO
L-CH
R-CH
AC-3400L/S
TR301 2SA970 (BL)
TR302
TR303 2SC732TM (BL)
TR304
PHONO-EQUALIZER SCHEMATIC DIAGRAM
(FU-EQ-BLK FU-408)
TAPE
REC/PLAY
J3
PLAY J2
REC
R ch.
L ch.
D S G
2SK19
E C B
2SC380
E C B
2SA970
2SA1015
2SC535
2SC732
2SC1342
2SC1815
1
2
3
4
5
6
A
B
C
D

RADIO P.C BOARD P.C-439

TC101	LW HIGH RANGE SENSITIVITY (L)	MW HIGH RANGE SENSITIVITY (S)
TC102	MW HIGH RANGE SENSITIVITY(L)	SW1 HIGH RANGE SENSITIVITY (S)
TC103	SW HIGH RANGE SENSITIVITY(L)	SW2 HIGH RANGE SENSITIVITY(S)
TC104	LW HIGH RANGE SCALE IND(L)	MW HIGH RANGE SCALE IND(S)
TC105	MW HIGH RANGE SCALE IND(L)	SW1 HIGH RANGE SCALE IND(S)
TC106	SW HIGH RANGE SCALE IND(L)	SW2 HIGH RANGE SCALE IND(S)
L102	SW LOW RANGE SENSITIVITY(L)	SW2 LOW RANGE SENSITIVITY(S)
L103	LW LOW RANGE SCALE IND(L)	MW LOW RANGE SCALE IND(S)
L104	MW LOW RANGE SCALE IND (L)	SW1 LOW RANGE SCALE IND (S)
L105	SW LOW RANGE SCALE IND(L)	SW2 LOW RANGE SCALE IND(S)

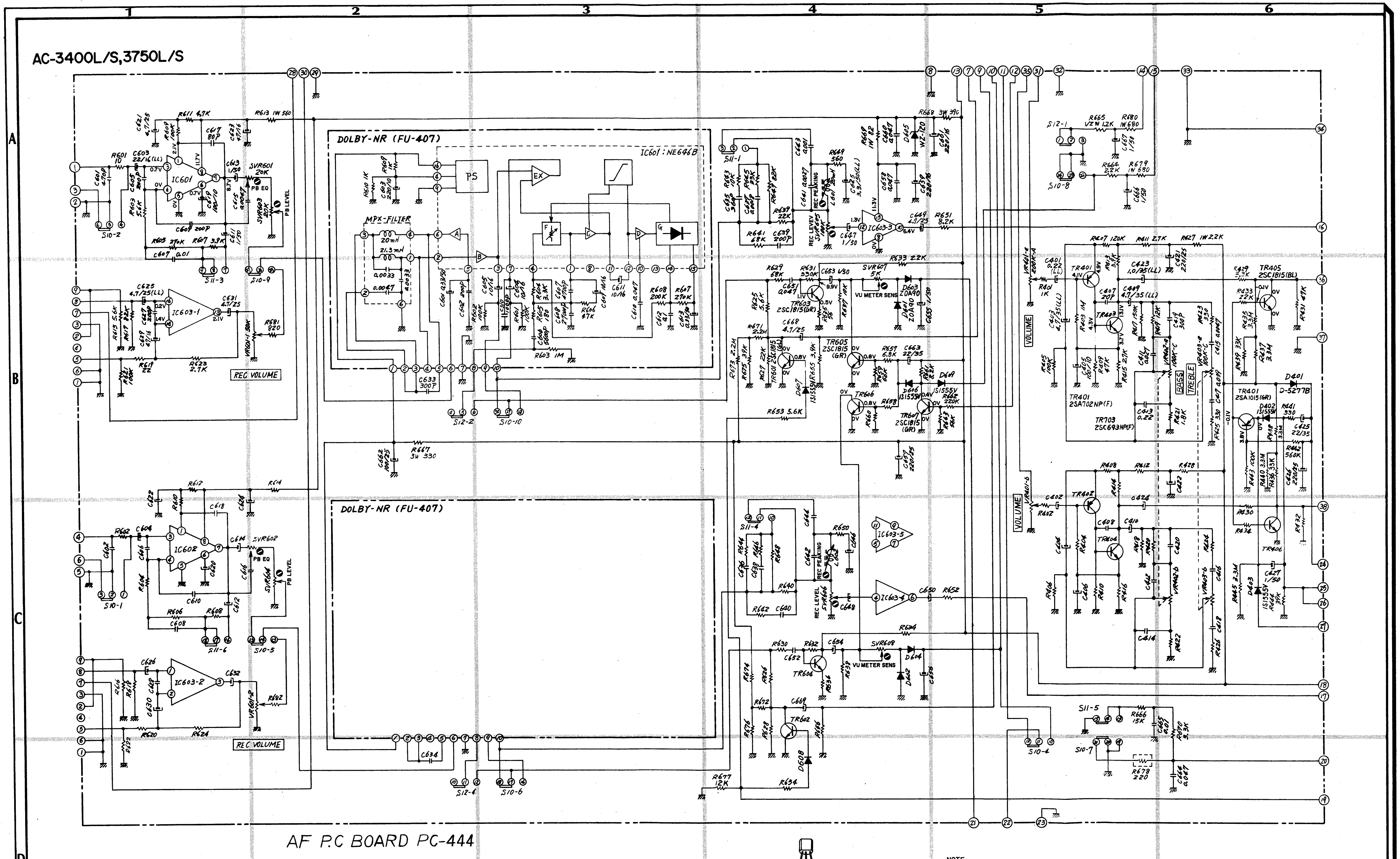
※ (L) IS AC-3400L AND AC-3750L
(S) IS AC-3400S AND AC-3750S

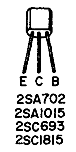
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 50WV
VOLTAGE ARE IN CASSETTE MODE
(STOP POSITION)

AC-3400L/S,3750L/S SCHEMATIC DIAGRAM

NO.3-2 1562411B

2C


1
2
3
4
5
6
A
B
C
D
AC-3400L/S,3750L/S
DOLBY-NR (FU-407)
IC601 : NE646B
PS
EX
MPX-FILTER
20mH
21.3mH
IC601
IC602
IC603-1
IC603-2
IC603-3
IC603-4
IC603-5
SVR601 20K
PB EQ
PB LEVEL
SVR602
SVR603 20K
SVR604
REC VOLUME
VR601-1 50K
VR601-2
REC PEAKING
REC LEVEL
VU METER SENS
SVR607 5K
SVR608
TR603 2SC1815(GR)
TR605 2SC1815 (GR)
TR606
TR607 2SC1815 (GR)
TR604
TR602
D603 1Z0A90
D601 1Z0A90
D605 WZ-120
D606 1S1555V
D607 1S1555V
D608
D604
VOLUME
VR401-a 200K-A
VR401-b
BASS
TREBLE
VR402-a 100K-C
VR402-b
VR403-a 100K-C
VR403-b
TR401 2SA702NP(F)
TR403
TR703 2SC693NP(F)
TR405 2SC1815(BL)
TR401 2SA1015(GR)
TR402
TR404
TR406
D401 D-5277B
D402 1S1555V
D403 1S1555V
S10-1
S10-2
S10-4
S10-5
S10-6
S10-7
S10-8
S10-9
S10-10
S11-1
S11-3
S11-4
S11-5
S11-6
S12-1
S12-2
S12-4
R613 1W 560
R668 3W 39Ω
R667 3W 330
R677 12K
R678 220
R666 15K
R670 3.3K
R665 V2W 1.2K
R680 1W 690
R679 1W 690
R427 1W 2.2K
AF P.C BOARD PC-444


E C B
2SA702
2SA1015
2SC693
2SC1815

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(STOP POSITION)

AC-3400L/S,3750L/S
SCHEMATIC DIAGRAM

NO.3-3 1562412B
2C